

## Autorenregister

Besteht eine Arbeit aus mehreren Mittellungen, so wird hinter dem Stichwort die Mitteilungsnummer mit römischen Ziffern angegeben.

- Abason, Ernest** (Propriétés des polygones) 52; (Réciproque d'un théorème relatif au triangle équilatéral) 386.
- Abramescu, Nicolas** (Apolarité d'une forme binaire et d'une forme cubique) 395.
- Adams, R. Raymond, and James A. Clarkson** (Borel sets in Banach spaces) 297.
- Afendik, L. G.** (Error evaluation in numerical integration after Störmer) 156.
- Agno, Mario** (Applicazione della statistica alle scienze fisiche) 44.
- Agnew, Ralph Palmer** (Cores of complex sequences) 217.
- Dell'Agnola, Carlo Alberto** (Tendenza ad una variabile casuale limite di una successione di variabili casuali) 38.
- Agostinelli, C.** (Equazioni del moto di un corpuscolo elettrizzato) 27; (Sistemi dinamici corrispondenti) 173; (Propagazione elettromagnetica) 322.
- Aigner, Alexander** (8. und 16. Potenzcharakter der Reste 2 und  $-2$ ) 291.
- Akizuki, Yasuo** (Idealtheorie einartiger Ringbereiche. III.) 1.
- Alaci, V.** (Intégration des fonctions quadratiques) 352.
- Alekseeva, K. s. Veksler, V.** 283.
- Ales, Maria** (Teorema di De Franchis) 253; (Spazi doppi contenenti forme algebrico-differenziali doppie) 253.
- Alessi, Juan M.** (Bihyperbolische komplexe Zahlen) 342.
- Alexander, J. W.** (Topological space) 167; (Connectivity ring of a lattice) 407.
- Alexandroff, A.** (Geschlossene Flächen) 261; (Théorèmes d'unicité pour les surfaces fermées) 402.
- Alexits, Georges de** (Structure des courbes régulières) 404; (Torsion des espaces distancés) 406.
- Alfvén, Hannes** (Cosmic rays in interstellar space) 334.
- Alichanian, A. J., and S. J. Nikitin** ( $\beta$ -ray spectrum of RaC and energy levels of excitation of RaC' nucleus) 420.
- Aller, Lawrence H. s. Baker, James G.** 96.
- — — s. Menzel, Donald H. 96.
- Alvarez Lleras, Jorge** (Mechanik und Naturphilosophie) 99.
- Amaldi, Ugo s. Levi-Civita, Tullio** 315.
- Amante, Salvatore** (Funzioni analitiche numerico-integrali) 209.
- Amato, Vincenzo** (Equazione generale di grado  $n$  considerata nel campo ampliato di razionalità) 199; (Teoria delle equazioni algebriche secondo Galois) 100.
- Amerio, L.** (Trasformazione di Laplace) 30.
- Amin, Amin-Yasin** ( $F$ -points de la surface de Del Pezzo) 390.
- Andersen, Erik Sparre** (E. Netto „Lehrbuch der Combinatorik“) 209.
- Anderson, H. L., E. T. Booth, J. R. Dunning, E. Fermi, G. N. Glasoe and F. G. Slack** (Fission of uranium) 422.
- Andersson, Walter** (Swedish state unemployment insurance) 48.
- Andronesco, Pl.** (Magnetische Kreise) 81.
- Anghelutza, Th.** (Transformation conforme) 36; (Démonstration nouvelle) 352.
- Appel, Hans Peter s. Fürth, Reinhold** 287.
- Archibald, William J.** (Process of diffusion) 43; (II.) 43.
- Armellini, G.** (Cosmogonia e legge di Newton. II., III.) 174.
- Aronszajn, N.** (Relations entre les notions d'écart régulier et de distance) 74.
- Artioukhov, M.** (Jacobi's algorithm.) 290.
- Arvesen, Ole Peder** (Transformations par semi-droites reciproques) 389.
- Aten jun., A. H. W. s. Heyn, F. A.** 334.
- Aubert, M. s. Guillet, A.** 176.
- Auluck, F. C.** (Entropy of Fermi-Dirac gas) 275.
- Aumann, Georg** (Cauchy-Lipschitz-Verfahren bei gewöhnlichen Differentialgleichungen) 222; (Ordnungseigenschaften der konformen Abbildungen) 237.
- Avakumović, Vojislav G.** (Laplacesche Integrale an der Konvergenzgrenze) 16; (Procédé de sommabilité) 16.
- Aymerich, Giuseppe** (Equazioni dinamiche di un sistema a due gradi di libertà) 316.
- Azevedo do Amaral, Ignacio M.** (Correlativité et successivité) 195.
- Bachvaloff, S.** (Couple de congruences paraboliques) 165; (Couples de congruences stratifiables) 165.
- Backer, H. J. s. Corput, J. G. van der** 127.
- Badaran, Gabriel** (Passage des corpuscules) 88.
- Badescu, Radu** (Metodo di Picone per l'integrazione delle equazioni lineari alle derivate parziali) 26.
- Baer, Reinhold** (Groups with abelian central quotient group) 8; (Groups with preassigned central and central quotient group) 8; (Almost hamiltonian groups) 347; (Lattice theory and group theory) 347; (System of subgroups and structure of the group) 347.
- Bagchi, Haridas** (Vector theory of non-coplanar forces) 250.



- Baiada, Emilio (Misurabilità secondo Carathéodory) 108.
- Baidaff, B. I. (Abstand zweier Punkte einer isotropen Geraden) 52.
- — — u. A. Heurtley de la Riestra (Pythagoräische Gleichung  $x^2 + y^2 = z^2$ ) 203.
- Bailey, W. N. (Product of Laguerre polynomials) 356.
- Baker, G. A. (Probability that the standard deviation of a second sample will differ from the standard deviation of a first sample by a multiple of the standard deviation of the first sample) 244.
- James G. s. Menzel, Donald H. 96.
- — — and Donald H. Menzel (Gaseous nebulae. III) 95.
- — — Donald H. Menzel and Lawrence H. Aller (Gaseous nebulae. V.) 96.
- Bakker, C. J. s. Heyn, F. A. 334.
- — — s. Niessen, K. F. 43.
- Ballantine, J. P. (Quadratic diophantine invariant) 345.
- Banachiewicz, T. (Krakowianentechnik in der Methode der kleinsten Quadrate) 155.
- Th. (Règle de Chio, cracoviens et matrices) 338.
- Banerjee, D. P. [Series of  $q_n(z)$ ] 21; (Expansion of a function in a series of Legendre functions) 214.
- Santilal (Magnetic anisotropies of organic crystals) 278.
- Banerji, A. C., and Nizamuddin (Spiral nebulae) 95.
- Barbilian, D. (Invarianten von Boole) 159.
- Barbulescu, N. (Spezielle Relativitätstheorie) 284.
- Barchewitz, Pierre (Spectres d'absorption dans le rouge) 274.
- — — et Maurice Parodi (Spectres d'absorption dans l'infrarouge lointain) 415.
- Bardeen, John, and Eugene Feenberg (Symmetric effects in the spacing of nuclear energy levels) 89.
- — — and J. H. van Vleck (Current in the Bloch approximation of „tight binding“ for metallic electrons) 182.
- Barile, B. (Equazione del calore) 303.
- Barnard, Raymond Walter s. Moore Eliakim Hastings 366.
- Baron, Heinrich (Grenzkegelschnitt) 251.
- Barrett, William (Groupes discontinus de déplacements) 348.
- Bartky, Walter (Numerical calculation of a elliptic integral) 156.
- Bashkirov, N. (Selfexcitation and calculation of hypermagnetron characteristics) 178.
- Bassoe, Else s. Cashman, R. J. 184.
- Bateman, H. (Paraboloidal coordinates) 22.
- Baumbach, S. (Polarisation der Sonnenkorona) 94.
- Bay, Z., u. Z. Szepesi (Intensitätsverteilung der Compton-Streuung) 329.
- Beck, Guido (Structure du proton et du neutron) 332.
- — — et Peter Havas (Rupture de l'uranium) 334.
- Beckenbach, E. F. s. Reade, Maxwell 312.
- Becker, R. (Ferromagnetismus) 419.
- Wilhelm (Verfärbung der „gelben“ B-Sterne) 336; (Helligkeiten von O-Sternen) 426.
- Beckerath, U. v. (Kramp's versicherungsmathematische Arbeiten) 47.
- Becqué, J. (Géométrie des masses) 78.
- Becquerel, Jean, et J. van den Handel (Métamagnétisme) 419.
- Beeger, N. G. W. H. [Congruence  $2^{p-1} \equiv 1 \pmod{p^2}$  and Fermat's last theorem] 105; (Prime numbers) 105.
- Beer, Gustav (Jede im kleinen zusammenhängende Kurve kann konvex metrisiert werden) 404.
- Behari, Ram (Laguerre's function) 394.
- Behnke, H., u. K. Stein (Approximation analytischer Funktionen von  $n$  komplexen Veränderlichen) 36; (Konvergente Folgen von Regularitätsbereichen) 378.
- Beke, Manó (Transversalität und Orthogonalität) 33; (Raumkurven) 64.
- Belardinelli, G. (Funzioni medio-periodiche) 300.
- Bell, Clifford (Plane curves with pseudo-rhamploid cups) 389.
- Bell, E. T. (Stirling transforms of sequences) 104; (Euler's concordant forms) 105; (Reducible ternary arithmetical cubics) 107; (Difference equations) 353.
- Belorizky, D. (Points singuliers dans le problème restreint des trois corps) 175.
- Bender, Ottmar (Elastizitätsmessungen an Alkalimetall-Einkristallen) 276.
- Benedicks, Carl (Parallélépipèdes à  $n$  dimensions) 250; (Représentation géométrique) 250.
- Benford, Frank (Laws and corollaries of the black body) 319.
- Benham, W. E. (Classical wave functions for moving corpuscles) 83.
- Berger, Alfred (Funktionalgleichung der Wahrscheinlichkeitstheorie) 242.
- Bergmann, Stefan (Approximation des fonctions satisfaisant à une équation linéaire aux dérivées partielles) 299; (Funktionen von zwei komplexen Veränderlichen) 312; (Meromorphe Funktionen von zwei Veränderlichen) 379.
- — — et Joseph Marcinkiewicz (Valeurs limites des fonctions de deux variables) 379.
- Bernard, E., et C. Manneback (Frequencies and modes fondamentaux gauches de vibration des molécules) 326.
- Bernays, P. s. Hilbert, D. 193.
- Bernstein, B. A. (Postulates for Boolean groups) 343.
- H. J., and W. H. Martin (Depolarizations of Raman lines) 84.
- Serge (Base d'un système de Tchebycheff) 352.
- Beschkine, Léon (Mécanismes à deux degrés de liberté) 173.
- Besicovitch, A. S. (Linearly measurable plane sets of points. III.) 10.
- Beth, H. J. E. (Kern eines durch neun Strahlen bestimmten linearen Strahlenkomplexes in  $R_4$ ) 251.
- Bethe, H. A. (Large perturbations) 83; (Energy production in stars) 334, 431.
- — — F. Hoyle and R. Peierls (Beta-desintegration data) 187.
- — — s. Rose, M. E. 278.



- Beutler, H. (Pressure and temperature, absorption and fluorescence of spectral lines) 427.
- Bhar, J. N. (Stratification of the ionosphere) 179.
- Biben, Georges (Caractéristiques des équations du photon) 420.
- Biedermann, M. M., and S. R. de Groot (Electronic energy of methane) 413.
- Biermann, L., u. O. Hachenberg (Spektrum von  $\zeta$  Tauri) 428.
- Biggiogero, Giuseppina (Tema di concorso) 52; (Equazioni algebriche in due variabili) 160.
- Bijl, L. (Höcknersche Korrektur) 154; (Prämiengkorrktur bei Terminzahlungen) 154.
- Bilimovitch, Anton (Coefficients de dissymétrie) 63; (Coefficient d'extension) 63; (Lineare kanonische Transformationen) 316; (Nichttholonomes Pendel) 317.
- Bilimowitch, A. D. (Korrelationstheorie) 146.
- Birkhoff, Garrett (Lattices) 1. — George D. (Intuition, reason and faith) 195.
- Blaha, Franz (Indefinite binäre Hermitesche Formen) 106; (Definite Hermitesche Formen) 201.
- Blaschke, Wilhelm (Geometria integrale) 78; (Rotolamento delle superficie applicabili) 256. — — u. Gerrit Bol (Geometrie der Gewebe) ●67.
- Bliss, Gilbert A. (Definitely self-adjoint boundary value problems) 32.
- Bloch, A. (Analytische Transformation von zwei Variablen) 144.
- Blokhintzev, D., and B. Davydov (Theory of solid rectifiers) 183. — — and B. Spasskij (Wilson theory of semiconductors) 182.
- Blümel, Helmut (Sheppard-sche Korrektur) 383.
- Blumenthal, Leonard M., and George R. Thurman (Pseudo- $S_{n,r}$  sets) 80.
- Boas jr., R. P. (Tauberian theorem, problem of three bodies) 17. — — — and S. Bochner (Theorem of M. Riesz for Fourier series) 216.
- Boas jr., R. P., and D. V. Widder (Iterated Stieltjes transform) 133.
- Bochner, S. (Functions of integrable square in several complex variables) 144; (Additive set functions on groups) 300. — — s. Boas jr., R. P. 216. — — and A. E. Taylor (Linear functionals) 371.
- Bochvar, D. A. (Three-valued logical calculus and analysis of contradictions) 194.
- Boer, J. de, and A. Michels (Interaction of more than two molecules and the molecular distribution-function) 276; (Second virial coefficient of helium) 414.
- Boerner, Hermann (Häufigkeit der nichtanalytisch fortsetzbaren Potenzreihen) 234.
- Bogdan, C. P. (Superficie di Veronese) 390.
- Boggio, Tommaso (Moto di un corpuscolo elettrizzato) 267.
- Böhmer, Paul Eugen (Differenzgleichungen und unbestimmte Integrale) ●211.
- Bohr, Harald, and Donald A. Flanders (Algebraic functions of analytic almost periodic functions) 300. — Niels (Biology and atomic physics) 84.
- Bol, Gerrit s. Blaschke, Wilhelm 67.
- Bolt, Richard H. (Frequency distribution of eigentones in a three-dimensional continuum) 226.
- Bompiani, Enrico (Geometria differenziale) 63; (Integrazione approssimata) 156; (Statica grafica e geometria proiettivo-differenziale) 165; (Teoria delle coniche) 251; (Curve piane e asintotiche della superficie di Steiner) 252; (Curve appartenenti a complessi di rette) 258; (Geometria proiettiva di una equazione a derivate parziali. I.) 259; (II.) 259.
- Boneff, N. (Théorie des probabilités et l'astronomie) 93.
- Bonferroni, Carlo (Probabilità totale di eventi numerabili) 38; (Trasformazioni di integrali) 209.
- Bonsdorff, Ilmari (Bestimmung der Gewichte) 155.
- Boos, Pierre (Propriété de symétrie des intégrales d'équations différentielles) 124.
- Booth, E. T. s. Anderson, H. L. 422.
- Borel, Émile (Problème continu analogue au battage des cartes) 38; (Valeur pratique et philosophie des probabilités) 241; (Répartition et probabilités virtuelles) 380.
- Borissov, M. D., V. P. Brailevski and A. I. Leipunski (Primary ionization with fast electrons in nitrogen) 87.
- Born, Max (Reciprocity) 273.
- Borsuk, Karol (Transformations essentielles) 80.
- Bortolotti, Enea (Geometria proiettiva differenziale delle superficie anolonyme) 70; (Trasformazioni dualistiche e spazi proiettivamente piani) 70; (Varietà subordinate) 72; (Geometria proiettiva differenziale delle trasformazioni dualistiche) 397. — Ettore (Infinito e limite nella matematica antica?) 196.
- Bosanquet, L. S., and H. Kestelman (Absolute convergence of series of integrals) 354.
- Bottema, O. (Kurve dritten Grades) 388; (Wurzeln der charakteristischen Gleichung) 388.
- Bouasse, M. (Diffraction des rides capillaires) 272.
- Bourgin, D. G. (Positive determinants) 338; (Clamped square sheet) 362.
- Bouwkamp, C. J. (Brennlinien von Kegelschnitten) 251. — — s. Kronig, R. de L. 329.
- Bowen, I. S., and B. Edlén (Spectrum of Nova RR Pic-toris) 287.
- Bowman, F. (Bessel functions) ●112.
- Brabant, H. (Groupes de points appartenant aux hauteurs d'un triangle) 249.
- Bradfield, K. N. E., D. G. Christopherson and R. V. Southwell (Relaxation methods applied to engineering problems. IV.) 226.
- Bradistilov, G. (Periodische Bewegungen des  $n$ -fachen Pendels) 316.
- Bradley, A. J. (Structure of meteorites) 425.
- Brailovski, V. P. s. Borissov, M. D. 87.
- Bretschler, E. s. Feather, N. 333.



- Bridger, Clyde A. (Regression function of random variables) 146.
- Brill, Alfred (Isophoten und effektive Wellenlängen in der Photometrie der Integralhelligkeiten) 429.
- R., H. G. Grimm, C. Hermann u. Cl. Peters (Röntgenographische Fourieranalyse und chemische Bindung) 418.
- Brillouin, Léon (Thermal dependence of elasticity in solids) 168; (Thermal dependence of elasticity) 320.
- Marcel (Instabilité inévitable d'un liquide pesant qui tourne) 171.
- Brinkmann, C. (Zündspannungsabsenkung bei Fremdonisierung) 269.
- Bristow, Leonard (Expansion of functions in solutions of functional equations) 30.
- Brödel, Walter (Funktionen mit Gaußscher Mittelwert-eigenschaft für konvexe Kurven und Bereiche) 210.
- Bruins, E. M. (Decay of the penetrating cosmic rays) 334.
- Bruna, P. P. (Solar velocity) 287.
- Brusotti, Luigi (Curve algebriche reali) 61; (Modelli algebrici di un sistema di  $k$  falde) 253.
- Bruwier, L. (Maximum du module d'un déterminant) 198.
- Bruyn, A. de (Prämien und Kaufsummen) 154.
- Bucerius, H. (Integralgleichungstheorie des Sternaufbaus. III.) 94.
- Buchanan, Daniel (Asymptotic oscillations within the helium atom) 84.
- Buchholz, H. (Difference of products of two cylinder functions) 356.
- Buckingham, R. A. s. Massey, H. S. W. 325.
- Budeanu, C. (Représentation vectorielle dans un espace à plusieurs dimensions) 387.
- Budó, A., u. I. Kovács ( $\Sigma$ -Terme von verschiedener Multiplizität) 275.
- Bünemann, Oscar (Stability of a subharmonic oscillation) 226; (Automatic detection of maxima and minima) 248.
- Burdette, A. C. (Simultaneous expansions of analytic functions in composite power series) 376.
- Burgatti, Pietro (Cristalli trasparenti) 83.
- Burkard, Otto (Ausgewählte Molekül-Modelle) 275.
- Burkhardtmaier, Wolfgang (Komplexe Nullstellen der Besselschen Funktionen) 219.
- Burniat, Pol (Variétés de Segre) 162.
- Busemann, Herbert (Two-dimensional metric spaces with prescribed geodesics) 75.
- Buter, J. (Überkonvexe Mengen) 76.
- Büttner, Heinz (Townsend-Entladung in Edelgasen) 269.
- Buzano, Piero (Varietà a 3 dimensioni integrali) 71; (5-testi di curve piane) 259.
- Cabrera, Nicolas (Multiplication des matrices représentatives des opérateurs différentiels linéaires) 26.
- Caccioppoli, Renato (Singolarità delle funzioni di due variabili complesse) 143.
- — e Giuseppe Scorza Dragoni (Condizione di Weierstrass per la semicontinuità di un integrale doppio) 135.
- Cagniard, L. (Propagation d'un signal) 322.
- Calabrese, Donato Miani (Statistica e scienze biologiche e sociali) 148.
- Calapaj, Giovanni (Decomposizione di taluni determinanti) 101.
- Calapso, Renato (Teorema di reciprocità) 65; (Reti di Voss) 255; (Deformazione delle reti di Voss) 256; (Superficie isoterme) 396.
- Calcagno, H. E. (Archimedische Analysis) 12.
- Caldirola, Piero (Equazione ondulatoria e dinamica di una particella) 188; (Equazioni delle particelle elementari nella relatività) 329; (Equazioni gravitazionali della relatività generale) 419.
- Calov, C. s. Köhler, O. 385.
- Călugăreanu, G. (Invariants de prolongement des fonctions entières) 35; (Invariants de translation relatifs aux polynomes) 198; (Surfaces minimales applicables sur des surfaces de révolution) 395.
- Cameron, R. H. (Distribution of values of an analytic almost periodic function) 301.
- Campbell, Norman (Fluctuation theorem) 152.
- Cannon, B. (Convergence properties of basic series) 232.
- Cantelli, F. P. (Leggi di mutualità e equazioni delle riserve matematiche) 153.
- Carathéodory, Constantin (Axiomatik der Somentheorie) 201; (Algebraisierung des Integralbegriffs) 297.
- De Caro, E. (Moto orbitale di un sistema binario visuale) 318.
- Carpenter, A. F. (Involutory systems of curves) 252.
- Carroll-Rusk, Evelyn s. Snyder, Virgil 393.
- Cartan, Élie (Théorie de Galois) 23; (Familles de surfaces isoparamétriques) 65.
- Cashman, R. J., and Else Bassoe (Surface and volume photoelectric emission from barium) 184.
- Casimir, H. B. G. (Equilibrium between spin and lattice) 183.
- Cassina, Ugo (Equazione integro-differenziale) 132.
- Cassity, C. Ronald (Maps determined by the principal curves) 393.
- Castellano, Vittorio (Probabilità e statistica metodologica) 40.
- Cattaneo, Paolo (Fasce di coniche) 251.
- Cattermole, J. s. Wilson, W. 280.
- Cavallaro, Vincenzo G. (Segmenti torricelliani) 50; (Dimostrazione di Huygens del teorema pitagorico) 196; (Géométrie du triangle) 386.
- Čerovská, Jarmila (Phénomènes optiques sur un réseau ultrasonore) 272.
- Cesari, Lamberto (Funzioni di due variabili a variazione limitata) 15.
- Chang, T. S. (Statistical theory of the adsorption of double molecules) 276.
- Chanler, J. H. s. Thrall, R. M. 61.
- Chapman, S. (Atmospheric height distribution of band-absorbed solar radiation) 424.
- — and E. A. Milne (Vector triple product) 157.
- Chatterjee, N. s. Das Gupta, P. N. 159.
- Cherenkov, P. A. (Radiation caused by electrons) 279.
- Chernick, Jack (Fermat's simple theorem) 344.



- Cherubino, Salvatore (Omografie permutabili) 100.
- Del Chiaro, A. (Coefficienti di morbilità) 47.
- Chiellini, Armando (Equivaleza di due equazioni differenziali lineari) 222.
- Child, J. M. (Inequalities connected with a triangle) 385.
- Childs, W. H. J., and H. A. Jahn (Coriolis perturbation in the methane spectrum. III.) 326.
- Chisini, Oscar (Teorema su la hessiana) 159.
- Chlodovsky, I. (Problème des moments et polynômes de S. Bernstein) 41.
- Choudhury, A. C. (Affine rolling of first kind) 256.
- Chow, Wei-Liang (Topologischer Beweis des Fundamentalsatzes der Algebra) 34; (Multiplizität der Schnittpunkte von Hyperflächen) 253.
- Howla, S. (Remark on  $g(n)$ ) 203; (Definite integral) 352.
- Christen, Hans (Zinsfuß, Sterblichkeit und Deckungskapital der Lebensversicherung) 384.
- Christopherson, D. G. s. Bradfield, K. N. E. 226.
- Christy, R. F., and S. Kusaka (Electric quadrupole moment of the deuteron) 420.
- Chu, Djen-Yuen (Fine structure of the line  $\lambda$  4686 of ionized helium) 279.
- Chuang, Chi-Tai (Fonctions holomorphes dans le cercle unité) 139.
- Chudnovskij, A. s. Courtener, A. 319.
- Cicco, John de s. Kasner, Edward 163, 399.
- Ciccone, Anna (Spettri ultrarossi e Raman) 416.
- Cimmino, Gianfranco (Equazioni lineari alle derivate parziali di tipo ellittico) 26; (Identità di Picone) 357.
- Cinquini, Silvio (Problemi di valori al contorno per equazioni differenziali) 122; (Nuovi teoremi di esistenza dell'estremo in campi illimitati) 135; (Teorema di esistenza dell'estremo in campi illimitati) 135; (Formula di Curtiss) 136.
- Cioranescu, Nicolas (Fonctions de deux variables réelles) 302; (Deux équations fonctionnelles) 371.
- Cisbani, Renzo (Teoria delle medie. II.) 147.
- Clark, C. H. Douglas, and John L. Stoves (Equilibrium internuclear distance for diatomic hydrogen, hydrides, and deuterides) 414.
- Clarkson, James A. s. Adams, R. Raymond 297.
- Clay, J. s. Clay, P. H. 282.
- — — K. H. J. Jonker and J. T. Wiersma (Decay of the penetrating cosmic radiation) 280.
- — — P. H. (Penetrating component of cosmic radiation) 283.
- — — A. v. Gemert and J. Clay (Penetrating cosmic radiation in water and rock) 282.
- Clusius, K., A. Kruis u. F. Konnertz (Molwärme, Verdampfungswärme, Entropie und chemische Konstante des Kryptons) 81.
- Coburn, Nathaniel (Surfaces in four-space of constant curvature) 396.
- Cohen, L. W. (Imbedding a space in a complete space) 409.
- Colacevich, Attilio (William Wallace Campbell) 197.
- Colucci, Antonio (Funzioni iperarmoniche di due variabili) 130.
- Comessatti, Annibale (Produzione geometrica italiana) 157.
- Condon, E. U. (Maxwell-Boltzmann law) 42; (External photoelectric effect of semiconductors) 86.
- Conforto, Fabio (Rigate razionali del quint'ordine) 59; (Identità aritmetica) 252.
- Constantinesco, G. G. (Transformations genre Laplace) 122.
- Conte, Luigi (Sezione del cono. II.) 196.
- Coolidge, Albert Sprague s. James, Hubert M. 274.
- Cooper, J. L. B. (Integral equation) 131.
- Corben, H. C. s. Massey, H. S. W. 280.
- Corlin, Axel (Larger bodies and small particles in interstellar space) 192.
- Corput, J. G. van der (Théorie additive des nombres. III. a. IV.) 4; (Überkonvexe Mengen) 76; (Théorie additive des nombres. V.) 344.
- Corput, J. G. van der, u. H. J. Backer (Reaktionsgeschwindigkeit von Gemischen. I.) 127.
- Coulson, C. A. (Electronic structure of polyenes and aromatic molecules. VII.) 326.
- Coulthard, W. B. (Heavistide expansion theorem) 357.
- Courant, R. (Plateau's and Douglas' problem) 136.
- Courtener, A., and A. Chudnovskij (Equation of heat conduction) 319.
- Coxeter, H. S. M. (Abstract groups  $G^m, n, p$ ) 207.
- Craig, Allen T. (Representative method of sampling) 383.
- Cramér, Harald (Difference between consecutive prime numbers) 6.
- Crane, H. R. (Absorption of neutrinos) 332.
- Critchfield, C. L., and G. Gamow (Shell-source stellar model) 431.
- Curry, H. B. (Gentzen's calculus  $LJ$ ) 337.
- Dancoff, S. M., and P. Morrison (Internal conversion coefficients) 280.
- Darling, Frederic W. (Computation of elliptic integrals) 248.
- Darrow, Karl K. (Contemporary advances in physics. XXXII.) 187.
- Daschevski, I. (Fresnelsche Formeln) 273.
- Das Gupta, P. N., and N. Chatterjee (Reciprocal linear complexes of the system of linear complexes) 159.
- Davenport, H. (Remak's theorem on the product of three linear forms) 205; (Linear forms. III.) 293.
- David, F. N. (Limiting distributions) 150.
- — — and J. Neyman (Markoff theorem on least squares) 40.
- Daydov, B. s. Blokhintzev, D. 183.
- Dawatz, W. (Wahrscheinlichkeitstheorie) 145.
- Deaux, R. (Coniques réelles) 158; (Triangles homologiques) 251; (Polarités planes harmoniques) 389.
- Debye, P. P. (Elektroneninterferenzen an Molekülen) 179.
- — — u. M. H. Pirene (Fourieranalyse von interferometrischen Messungen) 275.



- Dedebant, Georges, et Philippe Wehrlé (Turbulence) 265.
- Defrise, P. (Courbes multiples abéliennes) 60.
- Dehousse, Louis (Équation différentielle pour laquelle le point  $x = y = 0$  est un foyer) 121, 222.
- Dehtjar, M. (Elastic stresses and initial susceptibility of monocrystals) 177.
- Delange, Hubert (Suites de polynômes) 11.
- Delens, Paul (Formules du tétraèdre) 51.
- Delsarte, J. (Fonctions presque-périodiques de Bohr) 19; (Systèmes hypercomplexes continus et théorie des multigroupes) 368.
- Delvendahl, Otto (Verzweigungspunkte der Kontinuen von beschränkter Ordnung) 406.
- Demoulin, Alphonse (Lignes tracées sur une surface) 64.
- Derwidé, L. (Surfaces fondamentales de seconde espèce des transformations birationnelles) 62.
- Destouches, Jean-Louis (Théorie algébrique du spin) 330.
- Devonshire, A. F. s. Lennard-Jones, J. E. 327.
- Dhar, S. C. (Functions which are self-reciprocal in the Hankel transform) 219.
- Dickinson, D. R. (Densities of irregular linearly measurable plane sets of points) 10.
- Dienes, Paul (Logic of algebra) 98.
- Dilworth, R. P. s. Ward, Morgan 343.
- Dinghas, Alexander (Ausnahmgebiete meromorpher Funktionen) 139; (Invarianz der Shimizu-Ahlforsschen Charakteristik) 139.
- Dingler, H. (Theoretische Physik) 324.
- Ditchburn, R. W. (Diffraction by irregular gratings) 410.
- Dmitriev, N. (Heavy particles emitted by nuclei) 187.
- Dobsch, Otto (Matrixfunktionen beschränkter Schwan-  
kung) 210.
- Dodd, Edward L. (Interior and exterior means) 41.
- Dodé, Maurice, Hans von Halban jun., Frédéric Joliot et Lew Kowarski (Énergie des neutrons libérés lors de la partition nucléaire de l'uranium) 422.
- Doebelin, W. (Problèmes de M. Kolmogoroff) 146; (Equation de Kolmogoroff) 147; (Mouvements aléatoires) 381.
- Doermann, F. W., and O. Halpern (Wide-angle interference experiment) 271.
- Doob, J. L. (One-parameter families of transformations) 109.
- Dor, L. (Transformations birationnelles involutives) 62.
- Douglas, A. Vibert s. Foster, J. Stuart 288.
- Jesse (Analytic prolongation of a minimal surface) 374; (Minimal surfaces of higher topological structure) 374.
- Dramba, Constantin (Problème restreint des trois corps) 175.
- Dreyer, H.-J. s. Walther, A. 248.
- Dribin, D. M. (Prüfer ideals) 1; (Binary forms and sets of ternary forms) 106.
- Droste, G. v. (Energieverteilung der bei Bestrahlung von Uran mit Neutronen entstehenden Bruchstücke) 421.
- Drysdale, C. V. (Magnetism and Maxwellian theory) 177.
- Dubuque, P. (Théorèmes de Frobenius, de Weisner et de Turkin) 208.
- s. Turkin, W. 208.
- Ducassé, Pierre (Auguste Comte) 371.
- Dufay, Jean, et David Smoukovich (Densité optique de la voie lactée) 430.
- Duffin, R. J. (Characteristic matrices) 90.
- Dufresnoy, Jacques (Valeurs exceptionnelles des fonctions méromorphes) 236; (Fonctions méromorphes dans un angle) 237.
- Dunning, J. R. s. Anderson, H. L. 422.
- Duyckaerts, Georges (Chaleurs spécifiques du fer) 418.
- Dvoretzky, Aryeh (Semi-convergence des séries) 18; (Singularités des fonctions analytiques) 233.
- Dwyer, Paul S. (Computation of moments with the use of cumulative totals) 242.
- W. A. (Incomplete numerical functions) 218.
- Eaton, J. E. (Coefficients of the cyclotomic polynomial) 289.
- Eckart, Carl (Electric dynamics of material media) 175.
- — and Gale Young (Principal axis transformation for non-hermitian matrices) 198.
- G., u. H. Plendl (Ultrakurze Wellen) 268.
- Eddington, A. S. (Star models) 94.
- Edgeworth, K. E. (Fission of rotating bodies) 317.
- Edlén, B. s. Bowen, I. S. 287.
- Efimenko, W. (Valeurs caractéristiques des problèmes de limite des équations différentielles) 126.
- Egerváry, E. (Differentialgleichungen der Elektronenbewegung) 27.
- Egger, Hans (Randbedingungen und Kreisfrequenzen der Schwingungen einer Kreiszylinderschale) 363.
- Eggert, Martin (Sicherheitsaufschläge in der Lebensversicherung) 384.
- Ehmert, A. s. Regener, E. 334.
- Ehrenfest jr., Paul, et André Fréon (Désintégration spontanée des „mésotons“) 91.
- Ehresmann, C. (Congruences paratactiques et parallélismes) 167; (Variété des génératrices planes d'une quadrique réelle) 168.
- Eichler, M. (Kongruenzklasseneinteilungen der Ideale einfacher Algebren) 2.
- Eidelheit, M. (Lineare Gleichungen in separablen Räumen. II.) 370.
- Eigenson, M. S. (Surface brightness of the night sky) 286.
- Eilenberg, Samuel (Multicohérence des surfaces closes) 78; (Cohomologies et transformations continues) 263.
- Elenbaas, W. (Kontinuierliches Spektrum des Quecksilberbogens) 416.
- Elsasser, Walter M. (Earth's magnetic field) 271.
- Elwert, Gerhard (Intensität und Polarisation im kontinuierlichen Röntgenspektrum) 279.
- Emch, Arnold (Cubic surface) 60.
- Engel, Friedrich (Integrationstheorie der vollständigen Systeme) 25; (Lies Invariantentheorie der endlichen kontinuierlichen Gruppen) 295.
- Engen, H. van (Gamma function expansion) 21.



- Enriques, Federico (Surfaces algébriques irrégulières) 59.
- Epstein, Benjamin (Theorem of Carleman) 235.
- C. (Premio di risparmio) 245.
- Erdélyi, A. (Products of Whittaker functions) 118; (Produkte Whittakerscher Funktionen) 118; (Intégral representation for the product of two Whittaker functions) 220; (Eigenwerte des Sturm-Liouvilleschen Randwertproblems) 301.
- Erdős, Paul (Sequences of integers) 5.
- — and Béla A. Lengyel (Lagrangean interpolation) 12.
- P., and K. Mahler (Convergents of a continued fraction) 294.
- Esclangon, Ernest (Définition de la force en relativité restreinte) 92; (Forces dynamométriques et forces de champ) 267.
- Estenfeld, H. s. Walther, A. 248.
- Estermann, T. (Almost all even positive integers are sums of two primes) 105; (Sum of squares) 105.
- Eucken, Arnold (Physikalische Wärmelehre) 319.
- u. K. Schäfer (Gehemmte Rotation der  $\text{CH}_3$ -Gruppen in Kohlenwasserstoffen und gegenseitige Bindung der Atome) 275.
- Evans, D. S. (Stark effect of hydrogen) 94.
- G. C. (Potential theory) 130.
- Ewald, P. P. (Force of excitation in the theory of dispersion) 184.
- Ewing, G. M. (Inflection point) 61.
- George M. (Sufficient conditions) 372.
- Fabricius-Bjerre, Fr. (Surfaces du 4<sup>me</sup> ordre à conique double) 59.
- Fabrikant, V. (Excitation of atoms in a gas-discharge) 323; (Excitation of atoms) 417.
- Facciotti, Guido (Trasformazione cremoniana piana) 63.
- Faedo, Sandro (Coefficienti di Eulero-Fourier delle funzioni di due variabili) 112.
- Falkenhagen, H. (Relaxation und elektrische Eigenschaften) 276.
- Fano, Gino (Varietà algebriche a tre dimensioni) 58.
- Favard, J. (Approximation des fonctions) 213; (Surfaces convexes) 261.
- Fayet, Joseph (Réduction des équations linéaires et homogènes) 22.
- Feather, N., and E. Bretscher (Atomic numbers of the transuranic elements) 333.
- Fedoroff, V. S. (Polynômes d'une variable complexe) 36.
- Feenberg, Eugene s. Bardeen, John 89.
- s. Motz, Lloyd 184.
- Fejes, Ladislaus (Extremumaufgaben bei Polyedern) 77; (Inequalities concerning trigonometric polynomials) 110; (Approximation konvexer Kurven durch Polygonfolgen) 401.
- Feld, J. (Condenser as a system with distributed constants) 177; (Uniqueness of the solutions of the Maxwell equations) 267.
- Feldheim, Ervin (Problème de la théorie des nombres) 3.
- Feller, W. (Regions similar to the sample space) 38.
- Ferber, Martin (Degré de dépendance des désintégrations des atomes de polonium) 315.
- Fermi, E. s. Anderson, H. L. 422.
- Ferretti, B. (Origine della radiazione cosmica) 90.
- Fessenkoff, B. (Transparence de l'atmosphère terrestre) 190; (Météores cosmiques et lumière zodiacale) 425; (Origine de la lumière zodiacale) 425.
- Feynmann, R. P. s. Vallarta, M. S. 283.
- Fialkow, Aaron (Hypersurfaces) 66.
- Fichtenholz, Gr. (Opérations fonctionnelles linéaires) 133; (Fonctionnelles linéaires) 134.
- Fierz, Markus (Kräftefreie Teilchen mit beliebigem Spin) 189.
- Finbak, Chr. (Streuung von Röntgenstrahlen) 279.
- De Finetti, Bruno (Funzioni aleatorie) 242.
- Finikoff, S. (Déformation d'une surface) 256; (Couple de surfaces dont les asymptotiques de l'une des surfaces correspondent à un système conjugué de l'autre) 257.
- Finzi, Bruno (Pressione di radiazione nella cosmologia relativistica) 284.
- Fischer, Otto F. (Hamilton's quaternions and Minkowski's potentials) 267.
- Fisher, R. A. (W. S. Gosset) 148.
- Russell A., and Edson R. Peck (Hyperfine structure of manganese I) 281.
- Fitch, Frederic B. (Ramified Principia) 97.
- Fitting, F. (Panmagische Quadrate und magische Sternvierecke) ●107; (Pandiagonale Quadrate) 107.
- Flanders, Donald A. s. Bohr Harald 300.
- Foa, Alberto (Serie di Legendre) 13; (Fenomeno di Riemann per la somma  $[C, \alpha]$  di una serie di Fourier) 112.
- Fock, V. (Neutrino theory of light) 189.
- Foradori, Ernst (Raumbild der Physik) 273.
- Fort, Tomlinson (Summability of exponential and factorial series) 15; (Borel summability and Lambert series) 355.
- Foster, J. Stuart, and A. Vibert Douglas (Stark effect in B stars) 288.
- Foussianis, Chr. [Symmetrische Funktionen  $S(a_n, k)$ ] 290.
- De Franchis, M. (Caratteri invarianti delle varietà algebriche) 58.
- Franck, James, and Carol Anger Rieke (Explanation of the D-lines in the spectrum of the night sky) 427.
- Frank, F. C. (Meiting as a disorder phenomenon) 327.
- Fränz, K. (Strahlungswiderstand einiger Dipolantennen) 268.
- Frenkel, J. (Electric breakdown of dielectrics and electronic semiconductors) 182.
- Fréon, André s. Ehrenfest jr., Paul 91.
- Freud, Ph. (Gesamtenergie und Gesamtimpuls eines materiellen Systems in der allgemeinen Relativitätstheorie) 423.
- Freudenthal, Hans (Beugungsproblem aus der elektromagnetischen Lichttheorie) 271; (Erweiterungs- und Überführungssätze) 408.



- Friedrichs, Kurt (Differential operators in Hilbert spaces) 368.
- Frisch, O. R. (Division of heavy nuclei under neutron bombardment) 282.
- — s. Meitner, Lise 422.
- Ragnar (Inversion of a moving average) 147.
- Froda, Alex. (Mesurabilité des ensembles-image des fonctions multifformes ou unifformes) 350.
- Froehlich, H. (Solution of the Schrödinger equation) 83.
- Frost, D. W. (Theorie der kleinsten Quadrate) 155.
- Frucht, R. (Graphen mit vorgegebener abstrakter Gruppe) 78.
- Fubini, Guido (Sopra una nuova classe di problemi al contorno) 229.
- Fuchs, B. (Schlichte pseudo-konforme Abbildungen) 37.
- Fujiwara, Takeo, and Denroku Onoyama (Long curved X-ray spectral lines) 412.
- Furch, Robert (Halbierung der Exponentialreihe und Gammafunktion) 356.
- Fürth, Reinhold (Schwankungserscheinungen an Gammastrahlen. II.) 314.
- — L. S. Ornstein u. J. M. W. Milatz (Flüssigkeiten) 326.
- — Kurt Sitte and Hans Peter Appel (Michelson interferometer method and stellar diameters) 287.
- Gallucci, G. (Gruppo di triangoli associati) 249.
- Gambier, Bertrand (Configuration de trois coniques. I.) 158; (Surfaces admettant plusieurs réseaux de translation) 224.
- Gamow, G. (Energy-producing reaction in the sun) 423; (Évolution des étoiles) 431.
- — s. Critchfield, C. L. 431.
- — and E. Teller (Origin of great nebulae) 432.
- Gangi, Agatina ( $S_1$  ed  $S_2$  iper-complesso legati ad un'algebra complessa) 254.
- Ganguly, H. K. (Keplerian orbits in the field of a nucleus radiating mass) 175.
- Gaposchkin, Sergei (Eclipsing variable of large mass) 191.
- Garavito Armero, Julio (Dynamique des fluides) 263.
- Garcia, Godofredo, et Alfred Rosenblatt (Formule de Stokes) 28, 174.
- Garwick, Jan V. (Berührung) 394.
- Gattegno, Caleb (Théorème de M. Ostrowski sur la représentation conforme) 239.
- Géhéniau, Jules (Mécanique ondulatoire de l'électron et du photon) 91; (Densités de matrices et grandeurs non maxwelliennes en théorie du photon) 188.
- Geiringer, Hilda (Probability theory of arbitrarily linked events) 380.
- Gelfand, A. (Intégration approchée) 358.
- I. (Abstrakte Funktionen und lineare Operatoren) 367.
- Gelfond, A. (Systèmes complets de fonctions analytiques) 299; (Interpolation et unicité des fonctions entières) 311.
- Gemert, A. v. s. Clay, P. H. 282.
- George, Erich (Satz von Jordan-Hölder-Schreier) 207.
- Germani, M. D. (Théorème de M. D. Pompeiu) 385.
- Germay, R.-H.-J. (Intégration des systèmes différentiels normaux et fonctions de Riemann) 124; (Fonctions associées aux fonctions de Riemann d'un système différentiel linéaire) 125; (Fonctions de Riemann et intégration des équations aux dérivées partielles) 125; (Applications d'un théorème de M. E. Picard) 137; (Fonctions associées aux fonctions de Riemann d'un système différentiel linéaire. II.) 360; (Fonctions associées aux fonctions de Riemann et intégration des systèmes linéaires) 361; (Fonctions associées aux fonctions de Riemann et intégration, par la transformation de Mayer, des systèmes linéaires) 361.
- Gerő, L., u. R. Schmid (Dissoziationsschemata der zweiatomigen Hydride und Deuteride) 274.
- Geronimus, J. (Problème extrémal de Tehebycheff) 13.
- Getman, Richard A. (Attained age valuation) 45.
- Gheorghiu, Gh. Th. (Țiței-casche Flächen) 65; (Réseaux à invariants égaux) 395.
- Gherardelli, G. (Complessi lineari di spazi) 57; (Sistema lineare di forme aggiunto ad una serie di equivalenza sopra una curva riducibile) 253.
- Ghermănescu, Michel (Noyaux de Fredholm) 131; (Variation du moment d'inertie) 317.
- — s. Tino, O. N. 250.
- Ghika, Al. (Solutions particulières des équations aux dérivées partielles) 125.
- Ghizzetti, Aldo (Trasformazione di Laplace nello studio dei circuiti elettrici) 303.
- Giacardi, F. (Calcolo del vitalizio nell'ipotesi di Makeham) 45; (Coefficiente riduttivo del tasso annuo di morbidità) 153; (Assicurazione mista ordinaria) 245.
- Gialanella, L. (Moto di un corpuscolo elettrizzato) 27.
- Giambelli, Giovanni (Configurazione di Lefschetz) 37.
- Gigli, Clotilde (Curve algebriche reali sopra una quadrica a punti reali) 390.
- Gillis, P. [ $I(z) = \int F(p_i) d(x^i) = \text{minimum}$ ] 371.
- Gini, C., e G. Zappa (Medie potenziate e combinatorie) 148.
- Giraud, Georges (Dérivées des fonctions qui répondent à un problème du type de Dirichlet) 224; (Équations du type elliptique) 224.
- Giuliano, Landolino (Differenziabilità asintotica delle funzioni di due variabili) 298.
- Giulotto, Virgilio (Funzioni di Nielsen a due variabili) 114.
- Givens, W. B. (Division of angles and polygon construction) 50.
- Glase, G. N. s. Anderson, H. L. 422.
- Gleissberg, W. (Pressure in the interior of a star) 288.
- Gloden, A. (Erniedrigung von Potenzgleichungen) 203.
- Godbersen, Claus (Vektorbereich in Räumen beliebiger Dimension) 77.
- Godeaux, Lucien (Variétés de Segre) 56; (Involutions de genres un) 59; (Surfaces algébriques dont le système canonique est composé au moyen d'une involution n'ayant qu'un nombre fini de points unis) 59; (Surfaces multiples ayant un nombre fini de points de diramation) 161; (Systèmes linéaires triplement infinis de surfaces)



- 162; (Variétés algébriques analogues à la surface d'Enriques) 162.
- Godefroy, Marcel, et Henri Poncin (Stabilité) 173.
- Gödel, Kurt (Axiom of choice and generalized continuum-hypothesis) 297.
- Golab, St. (Géométrie des ensembles) 74.
- Goldstein, L. (Mécanisme statistique des collisions nucléaires) 186.
- Gollifman, Roger (Surfaces dont les asymptotiques appartiennent à des complexes linéaires) 69; (Transformations birationnelles de l'espace) 163.
- Gollnow, H. s. Schüler, H. 186, 413.
- Golusin, G. (Konforme Abbildungen mehrfach zusammenhängender Bereiche) 142.
- Gonzalez, M. O. (Homogene Differentialgleichung) 119; (Summation von Reihen) 353.
- Goodstein, R. L. (Mathematical systems) 99.
- Goormaghtigh, R. (Deux premiers centres de courbure des paraboles) 63; (Centres de courbure successifs) 163; (Fonctions de trois nombres complexes d'égal module) 386.
- Gordon, J. (Critical points of a real function) 308.
- Gorélik, G. (Oscillations de systèmes non-linéaires) 27.
- Goreux, R. P. F. (Sous-espaces) 396.
- Goudsmit, S. s. Proca, A. 331.
- Graef, C. s. Vallarta, M. S. 422.
- Graeser, Ernst (Potentialströmungen in Kanalsystemen) 128.
- Graf, U. s. Köhler, O. 385.
- Graffi, Dario (Limiti di applicabilità dell'ottica geometrica) 82.
- Grammel, R. (Lösung technischer Eigenwertprobleme) 225.
- Gran Olsson, R. (Biegung der Kreisringplatte von veränderlicher Steifigkeit) 227.
- Granovsky, V. L. (Deionization of gas) 417.
- Grassi, Luigi (Teorema del Graffi sui sistemi oscillanti dissipativi) 174.
- Grave, D. A. (Traktat der algebraischen Analyse. I., II.) •197.
- Gray, Frank (Electrostatic electron-optics) 412.
- Green, J. W. (Functions with rational values at rational points) 352.
- Greenstein, Jesse L. s. Henyey, L. G. 96.
- Greenwood, Thomas (Logique symbolique) •195.
- Greiner, H. (Physik) •324.
- Grigorovici, Radu (Zündspannung von Quecksilberdampf) 268.
- Grimm, G. s. Brill, R. 418.
- Grinberg, G. (Plate diode operation at high frequency) 177.
- Grimblum, M. (Transformation des espaces de suites numériques) 369.
- Gröbner, Wolfgang (Moduli nei campi dei polinomi omogenei) 57; (Applicazione del metodo variazionale in problemi di propagazione) 128. — — s. Krall, Giulio 265.
- Grönbloom, B. O., and R. E. Marshak (Binding energy of 4 n-nuclei on the  $\alpha$ -particle model) 281.
- Groenewold, H. J. (Classical point charge) 284; (Thermal conditions in sound waves) 320.
- Groot, S. R. de s. Biedermann, M. M. 413.
- Grosheide, G. H. A. (Abbildung der Linienelemente einer Ebene auf Raumpunkte) 57.
- Grotian, W. (Spektrum der Sonnenkorona) 428.
- Grove, V. G. (Geometry of a surface in the neighbourhood of a spine) 257.
- Grün, Otto (Gruppentheoretische Untersuchungen) 9.
- Grünberg, G. (Plane diode at high frequencies) 177.
- Guareschi, Pietro (Variazione della tensione superficiale con la temperatura) 415; (Variazione della viscosità dei liquidi con la temperatura) 415.
- Guggenheim, E. A. (Statistical mechanics of co-operative assemblies) 85.
- Guigue, René (Problème de géodésiques) 127.
- Guillet, A., et M. Aubert (Propriétés électrostatiques des systèmes sphériques) •176.
- Guinand, A. P. (Finite summation formulae) 215.
- Gumbel, Emil J. (Valeurs de position d'une variable aléatoire) 149.
- Gunther, N. (Intégrales de Stieltjes-Radon et équations intégrales) 131; (Equations intégrales) 364.
- Gupta, Hansraj (Dirichlet's L-functions) 345.
- Harish Chandra (Flow of a viscous fluid) 157.
- Jagannath (Low-frequency Raman lines) 86.
- Gurevich, I. (Energy spectrum of fast neutrons) 186.
- Gürtler, Josef (Schwankungserscheinungen an Gammastrahlen. I.) 314.
- Gutiérrez Novoa, Lino (Koeuklidische ebene Geometrie) 249.
- Güttinger, P. (Gesamtheiten mit mehreren Ausscheidursachen) 45.
- Guttman, Louis (Multiple and partial correlation) 39.
- Haack, Wolfgang (Schraubenpotentiale und Klasseneinteilung der Potentialfunktionen) 363.
- Haarbleicher, André (Faisceaux linéaires) 160.
- Haas, W. J. de, et B. H. Schultz (Anomalies dans l'aimantation de sels du groupe du fer) 278.
- Haber, H. s. Schüler, H. 413.
- Hachenberg, O. (Kugelförmiger Sternhaufen Messier 92) 191. — — s. Biermann, L. 428.
- Hadwiger, H. (Kontinuierlich sich erneuernde Gesamtheiten) 247; (Mittelwerte im Figurengitter) 262.
- Haenny, Charles, et Albert Rosenberg (Émission de neutrons lors de la rupture provoquée du noyau d'uranium) 422.
- Hahn, O., u. F. Strassmann (Bei Bestrahlung des Urans mittels Neutronen entstehende Erdalkalimetalle) 421; (Entstehung aktiver Bariumisotope aus Uran und Thorium durch Neutronenbestrahlung) 421; (Bruchstücke beim Zerplatzen des Urans) 421.
- Hailperin, Theodore (Continuuous point spaces) 263.
- Haimovici, M. (Superficie totalmente geodetiche negli spazi di Finsler) 72.
- Hajós, Georg (Bedeckung mehrdimensionaler Räume mit Würfelgittern) 6.



- Halban jun., Hans von s. Dodé, Maurice 422.
- — — F. Joliot and L. Kowarski (Liberation of neutrons in the nuclear explosion of uranium) 422.
- — — Lew Kowarski et Michel Magat (Intensité des neutrons dans la radiation cosmique) 334.
- Hall, D. W., and G. E. Schweigert (Invariant sets) 79.
- — — and A. D. Wallace (Invariants under monotone transformations) 405.
- Marshall (Equidistribution of residues in sequences) 104.
- Halperin, Israel (Transitivity of perspectivity in continuous geometries) 389.
- Halpern, O. s. Doermann, F. W. 271.
- Halphen, Étienne (Convergence des estimations) 241.
- Hamel, Georg (Nichtholonome Systeme) 173.
- Hamilton, O. H. (Systems of first order ordinary differential equations) 120; (Concerning continua in a separable space) 263.
- Handel, J. van den s. Becquerel Jean 419.
- Hantsch, Ewald (Zinsfußproblem der Leibrenten) 384.
- Hardy, G. H., and E. M. Wright (Theory of numbers) ●292.
- Harms, D. (Temperaturverteilung und Wärmeströmung) 319.
- Harrold jr., Orville G. (Convexification of continuous curves) 76.
- Haskey, H. W. (Second order wave equation) 286.
- Hatzidakis, N. (Complexes de courbes et de droites) 68; (Realität der Hauptkrümmungsradien und Krümmungslinien einer Fläche) 394.
- Haupt, Otto (Zyklisch ordnungshomogene ebene Bogen. II.) 166.
- Havas, Peter s. Beck, Guido 334.
- Hebroni, P. (Lineare Differentialgleichungen in Ringen. II.) 23; (Matrices continues à deux termes) 132.
- Hedlund, Gustav A. (Dynamics of geodesic flows) 403; (Fuchsian groups and mixtures) 403.
- Heinhold, Joseph (Minkowskischer Satz I.) 6; (II.) 294.
- Heinrich, Helmut (Filme über konforme Abbildung) 375.
- Heisenberg, W. (Absorption der Höhenstrahlung) 89.
- Heitler, W. (Nuclear disintegrations by cosmic rays) 90.
- Hellwege, K.-H. (Rasterförmige Reflexionsgitter) 272.
- Henyei, L. G., and Jesse L. Greenstein (Colors of reflection nebulae) 96.
- — — s. Struve, O. 191.
- Hermann, C. s. Brill, R. 418.
- Hermes, Hans (Semiotik) ●97.
- Herzfeld, K. F. s. Lyddane, R. H. 181.
- — — and Edward Teller (Vapor pressure of isotopes) 84.
- Heurtley de la Riestra, A. s. Baidaff, B. I. 203.
- Heuser, Paul (Approximation analytischer Funktionen durch Polynome) 213.
- Heyn, F. A., A. H. W. Aten jun. and C. J. Bakker (Transmutation of uranium and thorium by neutrons) 334.
- Heyting, A. (Intuitionistische Mathematik) 338.
- Hibbert, Lucien (Univalence et automorphie pour polynomes et fonctions entières) 140.
- Hilbert, D., u. P. Bernays (Grundlagen der Mathematik. II.) 193.
- Hille, Einar (Linear transformations. II.) 367; (Group spaces and vector spaces) 369.
- Hilmy, Heinrich (Théorèmes de récurrence dans la dynamique) 316.
- Hilton, Harold (Rectilinear congruences) 165.
- Hirone, T. s. Honda, K. 328.
- Hlavatý, V. (Hypersurfaces in a projective curved space) 71.
- Hlawka, Edmund (Approximation von inhomogenen Linearformen) 205.
- Hoborski, A. (Satz des Herrn D. Pompeiu) 385; (Sphärische Kurven) 393.
- Hoheisel, Guido (Gewöhnliche Differentialgleichungen) ●22.
- Hölder, Ernst (Theorie der zweiten Variation) 134.
- Hollcroft, T. R. (Distinct contacts of two algebraic surfaces) 160.
- Hombu, Hitoshi (Projektive Theorie der „paths“. II.) 399.
- Honda, K., u. T. Hirone (Magnetische Anisotropie) 328.
- Hönl, H., u. A. Papapetrou (Selbstenergie und Gravitationsfeld einer elektrischen Punktladung) 423.
- Hopkins, Charles (Nil-rings) 1.
- Hornich, Hans (Absolut konvergente Reihen) 14.
- Hort †, Wilhelm (Differentialgleichungen der Technik und Physik) ●361.
- Horvay, Gabriel (Iteration method and oxygen problem) 185.
- Hotelling, Harold (Tubes and spheres in  $n$ -spaces) 383.
- Householder, A. S. (Rashevsky's theory of the „Gestalt“) 304.
- Houston, W. V. (Resonance broadening of spectral lines) 180.
- Hoyle, F. s. Bethe, H. A. 187.
- Hsu, P. L. (Hotelling's generalized T.) 148; (Student's  $t$ -test) 149; (Unbiased quadratic estimate of the variance) 149.
- Hua, Loo-Keng (Tarry's problem) 5; (Sums of the powers of primes) 105; (Waring's problem) 105.
- Hughes, A. L., and Merle A. Starr (Atomic electron velocities) 274.
- Hull, Ralph (Units of quaternion algebras) 342.
- Huntington, E. V. (Set of postulates for the calculus of propositions) 194.
- Husimi, Kôdi (Partitio numerorum as occurring in a problem of nuclear physics) 205.
- Hutner, R. Albagli (Periodic orbit in the field of a magnetic dipole) 323.
- Hyers, Donald H. s. Michal, Aristotle D. 369.
- Iglish, Rudolf (Näherungsweise Lösung zweier Gleichungen) 247.
- Ignatovskij, V. S. (Gitter) 83.
- Il'ief, Lubomir (Nullstellen gewisser Integralausdrücke) 35.
- Inagaki, Takeshi (Problème de M. N. Lusin) 297.
- Inglis, D. R. (Magnetic moments of light nuclei) 332.
- Inoue, Masao (Problème de Dirichlet) 130.
- Insolera, Filadelfo (Prämienreserven und Veränderungen der Sterblichkeit) 46; (Durata



- massima della vita umana) 47; (Tassi annuali di mortalità) 47; (Capitali accumulati) 247.
- Invrea, Raffaele (Matematica attuariale) 154.
- Irie, Seiti (Intérieur et extérieur de la courbe de Jordan) 79.
- Itô, Kiyosi (Distribution of population by ages) 47.
- Iwanenko, D. (Proca potential) 91.
- Iwatsuki, Toranosuke s. Mimura, Yosita 191.
- Iyanaga, Shôkichi (Invarianz der Bettischen Gruppen bei Unterteilung der Komplexe) 407.
- Iyengar, K. S. K. (Cauchy-Maclaurin integral test); 353. (Mean derivatives of a continuous function) 351.
- K. Venkatachala s. Madhava Rao, B. S. 210.
- Jabłoński, A. (Wellenmechanische Behandlung der Linienerbreiterung. I., II.) 180.
- Jacob, Caius (Coefficient de contraction des jets gazeux) 170.
- Mosè (Fenomeno di Gibbs) 14; (Teorema limite nel calcolo della probabilità) 41.
- Jacobson, N. (Semi-linear transformations) 159.
- Jacobsthal, Ernst (Ganzzahlige Polynome) 292.
- Jaeger, J. C. (Appell's function  $F_2$ ) 116; (One-dimensional boundary value problems and Laplace transformation) 126.
- Jahn, H. A. s. Childs, W. H. J. 326.
- James, Hubert M., and Albert Sprague Coolidge (Continuous spectra of  $H_2$  and  $D_2$ ) 274.
- Jamin, Raymond (Écoulement isentropique des gaz parfaits) 320.
- Jardetzky, W. (Conditions d'équilibre d'une masse fluide avec un flotteur) 170.
- Jarník, Vojtěch (Satz von A. Khintchine. II.) 7.
- Jeffery, R. L. (Sequence integrals and non-absolutely convergent integrals) 11.
- Jenkins, F. A., and E. Segrè (Quadratic Zeeman effect) 179.
- Jensen, Peter (Magnetische Suszeptibilität von Kaliumbromidkristallen) 182.
- Jentschke, Willibald, u. Friedrich Prankl (Schwere Kernbruchstücke beim Zerfall von Uran und Thorium) 282.
- Jessen, Børge (Problème de Lagrange concernant l'argument d'un polynôme trigonométrique) 211.
- Johnson, Thomas H. (Geomagnetic effects and cosmic ray investigation) 282.
- — — and Martin A. Pomerantz (Absorption of cosmic rays in air and water) 280.
- Joliot, Frédéric (Produits de l'explosion des noyaux d'uranium) 333; (Rupture explosive des noyaux d'uranium et de thorium) 421.
- — s. Dodé, Maurice 422.
- — s. Halban jun., H. von 422.
- Jones, Burton W. (Positive ternary quadratic forms) 8.
- — — and Gordon Pall (Positive ternary quadratic forms) 107.
- F. Burton (Equivalences and subsets of a plane) 409.
- Jonker, K. H. J. s. Clay, J. 280.
- Jordan, P. (Biologische Wirkungen ultravioletter Lichtquanten) 152; (Biologische Wirkung von Strahlungsquanten) 152; (Elementarteilchen) 280.
- Joy, Alfred H. (Rotation effects, interstellar absorption and dynamical constants of the galaxy) 430.
- Jung, Heinrich W. E. (Cremonatransformationen der Ebene aus quadratischen Transformationen) 162.
- Kac, M. (Polynomes de M. S. Bernstein) 212; (Power series with big gaps) 376.
- Kadeřávek, Frant. (Surface Steinerienne du 4<sup>e</sup>) 160.
- Kahan, Théodore (Transmutations des noyaux légers) 281.
- Kakutani, Shizuo (Weak convergence in uniformly convex spaces) 32; (Fixed-point theorems) 79.
- — s. Yosida, Kôsaku 39; 306.
- Kalieu-Chodowicki, B. (Kinematische Geometrie und Konstruktion der Krümmungsmittelpunkte der ebenen Schnittkurven und der Haupttangente der windschiefen Regelflächen) 394.
- Kaliviaris, A. (Quantum theory of gravitation) 324.
- Kalmár, László (Decision problem. I.) 195; (Friedmansche Gleichungen) 285.
- Kamke, E. (Oszillationssätze für die linearen selbstadjungierten Randwertaufgaben) 122; (Trennungssätze von M. Nicolesco und S. Takahashi) 358.
- Kampé de Fériet, Jacques (Spectre de la turbulence homogène) 313.
- Kanitani, Jôyô (Espaces à connexion projective) 69.
- Kanold, Hans-Joachim (Ungerade vollkommene Zahl) 202.
- Kantorovitch, Leonidas, et Aaron Pinsker (Fonctionnelles partiellement additives) 31.
- Kapferer, Heinrich (Fundamentalsatz der Kurven 3. Ordnung) 390.
- Kapzov, N. A. (Décharge de couronne dans les gaz) 270.
- Karamata, J. (Intégrales de Laplace-Abel) 112.
- Kaşanin, R. (Interpolation) 12.
- Kasner, Edward (Lineal element transformations of space) 257.
- — — and John de Cicco (Curvature element transformations) 163; (Quadric fields in the geometry of the whirl-motion group  $G_6$ ) 399.
- Kaufmann, B. (Limit groups and spaces in regions and open manifolds) 408.
- Kaulbach, Fritz (Logik und Kategorienlehre der mathematischen Gegenstände) 99.
- Kavanagh, Arthur J. s. Richards, Oscar W. 151.
- Kawaguchi, Akitsugu (Contractions of extensors) 73.
- Kawata, Tatsuo, and Shin-ichi Takahashi (Almost periodic Fourier series) 20.
- Keller, J. M. (Reduction for the rotation group) 206.
- Ott-Heinrich (Diskriminante imprimitiver Gleichungen) 99.
- Kellogg, J. M. B., I. I. Rabi, N. F. Ramsey jr. and J. R. Zacharias (Electrical quadrupole moment of the deuteron) 281.
- Kendall, M. G., Sheila F. H. Kendall and B. Babington Smith (Distribution of Spearman's coefficient of rank correlation) 243.



- Kendall, Sheila F. H. s. Kendall, M. G. 243.
- Kennard, E. H. (Domains in ferromagnetics) 328.
- Kenney, J. F. (Regression systems) 244.
- Kerner, Michael (Flächenprobleme der Variationsrechnung) 33.
- Kestelman, H. s. Bosanquet, L. S. 354.
- Ketchum, P. W. (Infinite systems of linear equations) 138.
- Kilchevsky, N. (Mécanique des milieux continus) 168.
- Kimpara, Makoto (Surfaces développables) 396.
- Kitagawa, Tosio (Fundamental operations and operational equations) 134; (Parseval theorem, inner products of certain Hilbert spaces) 370.
- Klarfeld, B. (Potential gradient in the positive column) 178.
- Kleene, S. C. (Ordinal numbers) 338.
- Klein, Fritz (Gewebe) 343; (Halbverbände und Verbände) 343.
- Kleinwächter, Hans (Braunsche Röhre und Auflösung von Differentialgleichungen) 249.
- Klemm, Alfred (Kataphorese von Gasblasen) 81.
- Kline, Morris (Representation of homeomorphisms in Hilbert space) 409.
- Knöll, Ludwig (Kreisabbildung einfach - zusammenhängender schlichter Gebiete) 140.
- Knoll, Maria (Flächen mit einer Schar geodätischer Krümmungslinien) 164.
- Kobayashi, Iwao (Elektrostatistisches Potential um zwei Kreisscheiben) 230.
- Kobayasi, Minoru s. Tomonaga, Shin-ichiro 91.
- Kobori, Akira (Multivalence d'une famille des fonctions analytiques) 142.
- Koeppler, Hans (Lösung von Summgleichungen durch die Loewyschen Formeln) 30; (Jährliches Risiko) 153, 245.
- Kohler, Max (Magnetischer Halleffekt) 86.
- Köhler, O., U. Graf u. C. Calov (Mathematische Raumbilder) ●385.
- Kohlrausch, K. W. Fritz (Smeckal-Raman-Effekt) 416.
- Kok, Th. C. L. s. Kulk, W. v. d. 64.
- Koksma, J. F. (Satz von Minkowski) 6.
- Kolodziejczyk, S. (Equazione dei capitali accumulati) 247; (Equazione del premio di risparmio) 384.
- Komatu, Atuo (Bettische Gruppe der Zellenräume) 78; (Überdeckungen von Zellenräumen. I.) 79; (II.) 407.
- Kondó, Motokiti (Opérations analytiques dans la théorie des ensembles. I.) 349.
- König, Robert (Umkehrung einer trigonometrischen Reihe) 376.
- Konnertz, F. s. Clusius, K. 81.
- Kopal, Zdeněk (Density condensations of cepheid variables) 95; (Equilibrium of distorted polytropes) 288; (Reflection effect in eclipsing binary systems) 430.
- Koppenfels, Werner v. (Lamé-Hermite Gleichung und konforme Abbildung) 220.
- Koritzky, G. V. (Univalence de séries potentielles) 375.
- Korous, Josef (Entwicklungen der Funktion einer reellen Veränderlichen in Reihen orthogonaler Polynome) 215; (Reihenentwicklungen nach Laguerreschen Polynomen) 215.
- Koshliakov, N. S. (Integrals involving Bessel functions) 113.
- Kosiol, Erich (Finanzmathematik) ●48.
- Kossel, W. (Aufbau- und Abbauvorgänge auf der Kristallkugel) 85.
- Kostitzin, Vladimir A. (Points singuliers stables des équations différentielles algébriques) 223.
- Kotsakis, D. (Mongesche Gleichungen) 25.
- Kovács, I. ( $\Sigma$ -Terme von gleicher Multiplizität) 275. — s. Budó, A. 275.
- Kovanko, A. S. (Analyse de quelques surfaces quarrables) 210.
- Kowalewski, Gerhard (Keplerscher Körper) ●52; (Propriété inconnue du groupe plan projectif) 295.
- Kowarski, Lew s. Dodé, Maurice 422.
- s. Halban jun., Hans von 334; 422.
- Krall, Giulio, e Wolfango Gröbner (Moto fluido in un tunnel idrodinamico) 265.
- H. L. (Differential equations for Tchebycheff polynomials) 20.
- Kramer, J. (Supraleitfähigkeit und die amorphe Metallmodifikation) 184; (Wellenstrahlung) 328.
- Krasner, Marc (Généralisation de la notion de corps) 200.
- Kravčuk, M. (Distribution des abscisses des quadratures mécaniques du type Gauss) 156.
- Kreiken, E. A. (Milky-Way) 426.
- Kritikos, M. N. (Ensembles convexes) 77.
- Kroeger, W. J. (Binding energy of  $O^{16}$ ) 185.
- Kronig, R. de L. (Paramagnétique relaxation) 277; (Relaxationserscheinungen) 313.
- — — and C. J. Bouwkamp (Spin-levels and paramagnetic dispersion) 329.
- Krüger, Hubert (Anreicherung des  $N^{15}$ -Isotops) 185.
- Kruis, A. s. Clusius, K. 81.
- Krull, W. (Arithmetik kommutativer Integritätsbereiche. VI.) 340.
- Kryloff, V. (Équations intégrales et représentations conformes) 142.
- Kulakoff, A. (Reguläre Darstellung einer abstrakten Gruppe. IV.) 295.
- Kulk, W. v. d., u. Th. C. L. Kok (Krümmungsradius reeller ebener Kurven) 64.
- Kullback, Solomon (Matching problem) 379.
- Kuntzmann, Jean (Systèmes multifformes et systèmes et percomplexes) 200.
- Kurepa, Georges (Ensembles linéaires et une classe de tableaux ramifiés) 108.
- Kurihara, Michinori (Stellargashülle in Bewegung) 94.
- Kusaka, S. s. Christy, R. F. 420.
- s. Vallarta, M. S. 422.
- Kwal, Bernard (Équations fondamentales de mécanique analytique) 91.
- Kynch, G. J. s. Penney, W. G. 328.
- Ladsous, J. (Transformation birationnelle) 62.
- Laer, P. H. van (Magnetic and thermodynamic functions) 277.



- Lagrange, René (Équation de Riccati) 119.
- Lall, P. Samuels („Southern stream“ and the  $K$  term) 430.
- Lamb jr., Willis E. (Capture of neutrons by atoms) 278.
- Lambert, G. (Nombres qui se reproduisent à la droite de certaines de leurs puissances) 3.
- Lambrecht, H. (Emissionsnebel I.) 336.
- La Menza, Francisco (Lineare Ungleichungssysteme und konvexe Körper) 198.
- Lammel, Ernst (Interpolationsreihen) 232.
- Lampariello, G. (Problemi dinamici del Liouville) 316.
- Lancaster, Otis E. (Non-linear algebraic difference equations) 211.
- Lanczos, C. (Trigonometric interpolation) 13.
- Landahl, Herbert D. (Mathematical biophysics) 152.
- Landau †, Edmund (Produkt von binären Linearformen) 106.
- Landé, Alfred (Transitions between levels spaced almost continuously) 44.
- La Paz, Lincoln (Vertical distribution of iron meteorites) 42.
- Laporte, Otto (Elastic scattering of Yakawa particles. I.) 87.
- Laura, Ernesto (Teorema di Bendixon-Hirsch) 100.
- Laves, Fritz (Kristallographie der Legierungen) 321.
- Lavrentieff, M. (Courants discontinus d'un fluide) 143; (Théorie des sillages) 143.
- Lawley, D. N. (Fisher's  $z$  test) 243.
- Leavitt, W. G. (Planetary orbits in general relativity) 284.
- Leberknight, C. E., and Benjamin Lustman (Optical investigation of oxide films) 273.
- Le Boiteux, H., et Ouang Te Tchao (Répartition des mobilités des gros ions) 43.
- Lecornu, Léon (Propagation des ondes sphériques) 410.
- Ledermann, Walter (Sampling distribution and selection) 150.
- Lee, D. D., and W. F. Libby (Beta-rays of mesothorium 1 and radium D) 281.
- Lefebvre, Éloi (Fonctions d'une variable complexe) 138.
- Lefschetz, S. (Mapping of abstract spaces on polytopes) 168.
- Leighton, Walter (Convergence of a continued fraction) 211; (Test-ratio test for continued fractions) 211.
- Leipunski, A. I. s. Borissov, M. D. 87.
- Leipunskij, O. (Curie point under the action of pressure) 177.
- Lejeune, Alberte (Congruences linéaires de courbes gauches. I.) 61.
- Lengyel, Béla A. (Bounded self-adjoint operators and problem of moments) 368.
- — — s. Erdős, Paul 12.
- Lennard-Jones, J. E., and A. F. Devonshire (Critical and co-operative phenomena. III.) 327.
- Lense, Josef (Isotrope Mannigfaltigkeiten) 164.
- Lenz, W. (Eigenwertproblem des verdünnten idealen Gases) 181.
- Leontovich, M. (Free energy of a non-equilibrated state) 319.
- Lettowsky, Felix (Integralgleichung des Skineffektes) 81.
- Levi, F. W. (Fundamental theorem) 388.
- Levi-Civita, Tullio, e Ugo Amaldi (Meccanica razionale. I.) 315.
- Levine, Jack (Metric spaces with geodesic Ricci curv II.) 260.
- S. (Stability in hydrophobic colloidal solutions. I.) 414; (II.) 415.
- Lévy, Paul (Division d'un segment) 145; (Lois indéfiniment divisibles) 145; (Problème de M. Marcinkiewicz) 242.
- Libby, W. F. s. Lee, D. D. 281.
- Lichtblau, H. s. Mattauch, J. 185.
- Liermann, Heinz (Endliche Gruppen) 346.
- Lifshitz, E. (Collisions of deuterons with nuclei) 186.
- I. (Lattice distortion and X-ray scattering of solid solutions) 273.
- Lindemann, Ferdinand (Gleichungen fünften und höheren Grades) 339.
- Linfoot, E. H., and W. M. Shepherd (Set of linear equations) 365.
- Linsman, M. (Involutions topologiques. I.) 74; (II.) 406.
- Lipka, Stephan (Nullstellen von Potenzreihen. II.) 137; (Kegelschnittetze) 400.
- Littlewood, J. E., and A. C. Offord (Real roots of a random algebraic equation) 136.
- Löbell, Frank (Eilinen) 77.
- Lombardo-Radice, Lucio (Algebre legate ai gruppi di ordine finito. 1a.) 341.
- Lönnqvist, Conrad (Influence of the major planets on the meteorite tracks) 190.
- Lorch, Edgar R. (Operators in reflexive vector spaces) 307.
- Lorey, Wilhelm (Wurzelberechnungen) 154.
- Loria, Gino (Contributi dati dall'Italia alle matematiche pure) 197.
- Lotka, Alfred J. (Theory of self renewing aggregates) 246.
- Love, A. E. H. (Electrostatic problems) 321.
- Lowan, Arnold N. (Wave-motion for sub-infinite domains) 303.
- Lubelski, S. (Legendrescher Satz) 290.
- Lucas, René (Mécanisme de la fusion) 44; (Ondes d'agitation thermique des liquides) 181.
- Ludeke, Carl A. (Interchange energy of two free electrons) 280.
- Lukchin, V. (Déformation des surfaces de rotation fermées et ouvertes à courbure négative) 164.
- Luntz, Michel (Isotropie des mouvements turbulents) 265.
- Lurquin, C. (Liaison des variables éventuelles) 242.
- Lustman, Benjamin s. Leberknight, C. E. 273.
- Lyddane, R. H., and K. F. Herzfeld (Lattice vibrations in polar crystals) 181.
- Lyn, Gaston van der (Représentation analytique des polynômes abstraits) 307.
- Lyness, R. C. (Geometrical problem) 386.
- Maa, Dah-You (Distribution of eigentones in a rectangular chamber) 225.
- Maak, Wilhelm (Oberflächenintegral und Stokes-Formel) 261.



- Maccaferri, Eugenio (Funzioni distributive) 353.
- McCarthy, J. P. (Tchebyscheff polynomial) 115.
- MacColl, L. A. (Motion of a relativistic particle) 92.
- McCoy, N. H. (Regular rings) 200.
- McCrea, W. H. (Eddington's  $E$ -numbers) 101, 188; (Relativistic cosmology. II.) 424.
- MacDonald, J. K. L. (Bounds for parameters in  $n$ -noded solutions of Sturm-Liouville equations) 223.
- Macintyre, A. J. (Laplace's transformation and integral functions) 377.
- McLachlan, N. W. (Operational form of  $f(t)$ ) 26.
- McMillan, Brockway (Transcendental numbers) 345.
- McMullen, L. („Student“ as a man. I.) 40.
- MacNeille, H. M. (Lattice theory and integration) 297.
- McShane, E. J. (Existence theorems in the calculus of variations. I.) 32; (II.) 32; (III.) 372; (IV.) 372.
- Madhava Rao, B. S., and K. Venkatachala Iyengar (Inequality concerning lattice sums) 210.
- Madow, William G. (Multivariate statistical analysis) 40.
- Maeda, Jusaku (Affinhauptnormale und Affinbinormale von Raumkurven) 68; (Kurventheorie im  $n$ -dimensionalen affinen Raum) 69.
- Magat, Michel s. Halban jun., Hans von 334.
- Magnan, Claude (Cassure des noyaux d'éléments plus légers que l'uranium) 422.
- Mahler, Kurt (Konvexe Polygone) 50.
- s. Erdős, P. 294.
- Maier, Aug. (Thermodynamischer Symbolismus) 80.
- Maker, Philip T. (Perfect sets of measure zero) 10; (Conditions on  $u(x, y)$  and  $v(x, y)$  for the regularity of  $u + iv$ ) 236.
- Maléot, Gustave (Corrélations entre individus apparentés) 244; (Lois de Mendel et homogamie) 245.
- Malkin, N. (Somigliana-Clairau formulae) 363.
- Mally, Ernst (Wahrscheinlichkeit und Gesetz) ●195.
- Mambriani, Antonio (Equazioni differenziali lineari) 121; (Successioni ad un numero finito di basi) 311.
- Manarini, Mario (Moto di un corpuscolo elettrizzato) 267.
- Mancill, Julian D. (Calculus of variations with prescribed transversality conditions) 308.
- Mangeron, D. (Noyaux associés à problèmes à la frontière) 302.
- Manià, Basilio (Funzioni quasi analitiche) 37; (Teoremi di unicità nel calcolo delle variazioni) 135.
- Manneback, C. s. Bernard, E. 326.
- Marcinkiewicz, J. (Intégrales du type de Dini) 11; (Espaces de M. Besikowitch) 31; (Problème des moments) 148; (Théorème sur l'interpolation) 212; (Sommabilité  $H_2$  de séries de Fourier) 217; (Séries orthogonales) 298; (Multiplicateurs des séries de Fourier) 354; (Mouvement brownien) 381.
- s. Bergmann, Stefan 379.
- et A. Zygmund (Séries de puissances) 231.
- De Marco, Gaetano (Calcolo dell'infinitamente grande) ●15.
- Margenau, H. (Van der Waals forces) 327.
- Mariani, Jean (Quantum élémentaire de longueur) 280; (Champ nucléaire et quantum élémentaire de longueur) 331; (Quantum de longueur et spin des particules élémentaires) 420.
- Markoff, A. (Mean values and exterior densities) 108; (Relatively definite functions) 103.
- Marletta, Giuseppe ( $S_i$  i  $k$ -complessi lineari di rette) 393.
- Marshak, R. E. s. Grönblom, B. O. 281.
- Martin, L. H., and A. A. Townsend ( $\beta$ -ray spectrum of RaE) 333.
- W. H. s. Bernstein, H. J. 84.
- Martinotti, Pietro (Problemi sociali. I.) 241; (2.) 241.
- Maruyama, Shuzi (Thin system of lenses) 82; (Seidel partial coefficients) 83.
- Massey, H. S. W., and R. A. Buckingham (Long range forces between hydrogen molecules) 325.
- Massey, H. S. W., and H. C. Corben (Emission and absorption of heavy electrons) 280.
- Masuyama, Motosaburo (Graphische Berechnung einer reellzahligen Determinante) 155.
- Mattauch, J., u. H. Lichtblau (Isotop des Cassiopeiums) 185.
- Maurer, W. (Lichtanregung durch Ionen- und Atomstoß) 278.
- Maxia, Angelo (Problemi di massimo e minimo) 12; (Varietà anolomne immerse in una varietà a connessione affine) 398.
- Mayer, O. (Géométrie biaxiale différentielle des courbes) 69.
- Mayr, Karl (Lösung algebraischer Gleichungssysteme durch hypergeometrische Funktionen. II.) 339.
- Mazur, Stanislaw (Anneaux linéaires) 201; (Base dénombrable d'ensembles linéaires dénombrables) 349; (Espaces euclidiens) 369.
- Medolaghi, P. (Assicurazioni danni) 384.
- Meidell, Birger (Effektiver Zinsfuß bei Anleihen) 45.
- Meijer, C. S. (Whittakersche Funktionen. III.) 21; (Integraldarstellungen Whittakerscher Funktionen) 115; 357; [Kummersche Funktion  ${}_2F_1(a; b; z)]$  117.
- Meitner, Lise, and O. R. Frisch (Products of the fission of the uranium nucleus) 422.
- Meixner, J. (Wiedemann-Franz'sches Gesetz) 86.
- Mendershausen, Horst (Clearing variates in confluence analysis) 244.
- Menger, Karl (Non-euclidean geometry of joining and intersecting) 158; (Non-Euclidean, affine, real projective and Euclidean geometry) 158.
- Menzel, Donald H., Lawrence H. Aller and James G. Baker (Gaseous nebulae. IV.) 96.
- s. Baker, James G. 95; 96.
- Mercier, André (Énergie propre de l'électron) 331.
- Merlin, Émile (Mouvement d'un fluide) 169.



- Meurers, Joseph (Entartung der Materie in den Sternen und Planeten) ●431.
- Michal, Aristotle D., and Donald H. Hyers (Differential invariants) 369.
- Michels, A. s. Boer, J. de 276, 414.
- Miduno, Zen'emon (Black body radiations) 81.
- Mieghem, van (Principe des ondes enveloppées de Huygens) ●82.
- Mieli, Aldo („Discorsi e dimostrazioni matematiche“ di Galileo Galilei) 196.
- Migdal, A. (Scattering of neutrons in ferromagnetics) 183.
- Mihailescu, Tiberiu (Réseaux à transformés de Laplace en correspondance asymptotique) 395.
- Mihailescu, Eugen G. (Calcul des propositions) 98; (Équivalence et disjonction, calcul des propositions) 99; (Équivalence, négation et réciprocity dans le calcul des propositions) 337.
- Milatz, J. M. W. s. Fürth, R. 326.
- Milkutat, E. (Klassifizierung der veränderlichen Sterne) 287.
- Miller, G. A. (Groups of degree  $n$ ) 208.
- Milloux, Henri (Inégalité dans la théorie des fonctions méromorphes) 35.
- Milne, E. A. s. Chapman, S. 157.
- Mimura, Yositaka, and Toranosuke Iwatsuki (Cosmology in terms of wave geometry. I.) 191.
- Yukio s. Yosida, Kôzaku 306.
- Minakshisundaram, S. (Ramaswami's Tauberian theorem) 17; (Tauberian theorem) 17.
- Mindlin, J. A. (Boundary problem of the wave equation) 230.
- Mineur, Henri (Amas galactiques) 287; (Équilibre statistique des amas d'étoiles) 429.
- Minkowski, R. (Spectra of the supernovae in IC 4182 and in NGC 1003) 428.
- De Mira Fernandes, A. (Equazioni di struttura dei gruppi di Lie) 25.
- Miranda, Carlo (Stabilità di vibrazioni) 27; (Problema di geometria differenziale in grande) 261.
- Mises, R. v. (Integalkurven einer Differentialgleichung erster Ordnung) 120; (Bayes' problem) 379.
- Mitrinovich, Dragoslav S. (Équation de Riccati) 119; (Formule d'analyse) 209; (Problème de Beltrami) 395.
- Miyahara, Syôhei (Ferromagnetism of semi-conductors) 183.
- Miyamoto, Shôtarô (Balmer emission of the planetary nebulae) 427.
- Mizoguti, Yukitoyo (Abelsche Gruppe und Funktionensystem) 31.
- Mizushima, San-ichiro, and Yonezo Morino (Raman spectra and molecular configurations) 416.
- Moisil, Gr. C. (Modalité des jugements) 97; (Structure algébrique du calcul des propositions) 98; (Topologie des familles d'ensembles. I.) 349; (Systèmes de deux équations) 359.
- Molenaar, P. G. (Differential-invariante der binären kubischen Differentialform) 340; (Differentialkovarianten der binären kubischen Differentialform) 340.
- Molière, K. s. Thiessen, P. A. 417.
- Møller, C., and L. Rosenfeld (Mesons and nuclear forces) 331.
- Monna, A. F. (Kurven in einem Funktionenraum. II.) 369.
- Montaldo, Oscar (Invarianti lineari fondamentali di un'equazione differenziale lineare) 123.
- Monteiro, António (Additivité des noyaux de Fredholm) 131.
- Montel, Paul (Univalence et multivalence locales) 237; (Problème de J. Bertrand) 385.
- Montgomery, Deane, and Leo Zippin (Compact Abelian transformation groups) 9; (Non-abelian compact connected transformation groups) 295.
- Moon, Parry (Illumination calculations) 411.
- Moore, Eliakim Hastings (General analysis) ●366.
- Morant, J. (Formule de Laurent et développements de fonctions holomorphes) 137.
- Morgantini, Edmondo (Corrispondenze trilineari) 52.
- Mori, Shinjiro (Zerlegung der Hauptideale aus Polynomringen. II.) 341; (Prime ideals in Boolean rings) 342.
- Morimoto, Seigo (Approximation einer irrationalen Zahl) 7.
- Morino, Yonezo s. Mizushima, San-ichiro 416.
- Morris, Rosa M. (Internal problems of two-dimensional potential theory) 129.
- Morrison, P. s. Dancoff, S. M. 280.
- Morse, Anthony P. (Behavior of a function on its critical set) 12.
- Philip M., and Pearl J. Rubenstein (Diffraction of waves) 177.
- Morton, V. C. (General quadratic primal in (5) which is inscribed and circumscribed to a given simplex) 56.
- Motz, Lloyd, and Eugene Feenberg (Spacing of energy levels in light nuclei) 184.
- Moulton, E. J. (Repeated accumulation of a statistical series) 40.
- Moussa, André s. Thibaud, Jean 333.
- Mueller, Hans (Light scattering in anisotropic media) 181.
- Muhly, H. T., and O. Zariski (Singularities of an algebraic curve) 160.
- Mukerji, B. C. (Gravitational waves) 92; (Gravitational fields with axial symmetry) 284.
- Müller, F. Horst (Dielektrische Verluste und polarer Aufbau der Materie) 276.
- Kurt (Anzahlbeziehungen in  $n$ -dimensionalen Komplexen) 262.
- Münzner, Hans (Grenzwert der Erneuerungszahlen) 246.
- Murdoch, D. C. (Quasi-groups) 347.
- Muskat, Morris (Problem in potential theory) 27.
- Musselman, J. R. (Equation of motion of equal maps) 64.
- Myller, A. (Surface d'apparence semblable) 65.
- Myrberg, P. J. (Analytische Darstellung automorpher Funktionen bei Fuchsschen Gruppen vom Geschlecht Null) 2. 1.



- Nadile, Antonio** (Formule vectoriali per i tensori di una  $V_n$ ) 73.
- Nagakura, Tosimitu** (Reaction between very light nuclei) 420.
- Nahmias, Maurice E.** (Emission probable de mésons) 281.
- Nair, U. S.** (Moment function and distribution laws in statistics) 148.
- Nakayama, Tadasi** (Regular representations, induced representations and modular representations) 341.
- Nalli, Pia** (Trasporti rigidi di vettori) 260.
- Nath, N. S. Nagendra** (Diffraction of light) 411.
- Nehring, Otto** (Brocardsche Punkte) 385.
- Nekrasowa, S.** (Elements of eclipsing binaries) 430.
- Neugebauer, Th.** (Cotton-Mouton-Effekt) 415.
- Neumann, Ernst Richard** (Randwertaufgabe und Greensche Funktion der Potentialtheorie) 304.
- Neumark, M.** (Potenzreihen von Operatoren) 31.
- Neumer, Walter** (Differentialgleichungen vierter und fünfter Ordnung, welche durch Berührungstransformation in Differentialgleichungen der Kegelschnitte übergeführt werden) 22.
- Nevanlinna, Rolf** (Dirichlet-sches Problem für eine Riemannsche Fläche) 29; (Alternierendes Verfahren von Schwarz) 28.
- Neville, E. H.** (Multipolar and multiglobular coordinates) 53.
- Neyman, J.** („Contagious“ distributions) 382.  
— — s. David, F. N. 40.  
— — and E. S. Pearson (Theory of testing statistical hypotheses) 243.
- Nicolsco, Miron** (Fonctions conjuguées) 228; (Ensembles des fonctions. I./II.) 350.
- Nielsen, Harald H.** (Rotation and oscillation in deuterioformaldehyde) 274.
- Niemytzki, W.** (Courbes du type de Bendixon) 166; (Systèmes de courbes remplissant un espace métrique) 166.
- Nier, Alfred O.** (Isotopic constitution of radiogenic leads and measurement of geological time. II.) 333.
- Niessen, K. F., u. C. J. Bakker** (Brownische Bewegung) 43.
- Niewiadomski, R.** (Divisibilité des trinômes et binômes) 99.
- Nikitin, S. J. s. Alichanian, A. J.** 420.
- Nikliborc, W.** (Dreikörperproblem. I., II.) 318.
- Nisigaki, Hisami** (Quaternionenfunktion) 240.
- Nizamuddin s. Banerji, A. C.** 95.
- Noda, Seiichiro** (Alternating current phenomena) 322.
- Nolfi, P.** (Versicherungsmathematik und Wirklichkeit) 383.
- Nölke, F.** (Ursprung der Kometen) 190.
- Nordheim, L. W.** (Lifetime of the Yukawa particle) 331.
- Novobatzky, K. F.** (Quantenelektrodynamik) 88.
- Nowlan, F. S., and G. C. Weber** (Integral elements of rational division algebras. II.) 2.
- Obrechhoff, Nikola** (Somma-tion par les moyennes arithmétiques) 16; (Zéros de fonctions entières) 137; (Zéros de quelques classes de polynômes et de fonctions rationnelles) 231; (Fonctions à deux variables) 298.
- O'Connor, R. E., and G. Pall** [Quaternion congruence  $tat \equiv b \pmod{g}$ ] 293.
- Offord, A. C. s. Littlewood, J. E.** 136.
- Oguiewetzki, I.** (Procédé de sommation) 15.
- Oka, Kiyosi** (Fonctions analytiques de plusieurs variables. III.) 240.
- Oldenburger, Rufus** (Decomposition of elements in abelian groups) 208.
- Omara, M. A.** (Hydrodynamic forces on an accelerated cylinder) 264.
- Onoyama, Denroku** (Light and dark X-ray diffraction patterns) 412.  
— — s. Fujiwara, Takeo 412.
- Opatowski, Isaac** (Intégration des équations du mouvement d'une particule électrisée) 267.
- Oppenheimer, J. R., and G. M. Volkoff** (Massive neutron cores) 285.
- Ore, Oystein** (Structure theory and groups) 347; (Normal decompositions of groups) 348; (Structures and group theory. II.) 348.
- Orlicz, W.** (Orthogonalentwicklungen. VI.) 298.
- OrNSTein, L. S. s. Fürth, R.** 326.  
— — s. Veen, J. H. van der 418.
- Ostrowski, A.** (Identical relations between matrices) 198; (Randverzerrung bei konformer Abbildung) 238.
- Ottaviani, Giuseppe** (Serie di Hermite e fenomeno di Gibbs) 13.
- Oudart, Adalbert** (Sillages) 264.
- Padoa, Alessandro** (Teorema esistenziale concernente i poligoni) 50.
- Page, T. L.** (Atomic absorption of light) 427.
- Palamà, Giuseppe** (Polinomi di Laguerre) 114; (Trasformazione di Laplace e sviluppi in serie di polinomi di Laguerre) 132; [Soluzione polinomiale della  $(a_1 x + a_0) y'' + (b_1 x + b_0) y' - n b_1 y = 0$ ] 222.
- Palazzo, Elena** (Geometria elementare) 50.
- Pall, Gordon** (Factorization of generalized quaternions) 3.  
— — s. Jqnes, Burton W. 107.  
— — s. O'Connor, R. E. 293.
- Palmér, Frida** (Irregular variable stars) 191.
- Pankajam, S.** (Symmetric functions in a Boolean algebra) 342.
- Pantazi, Al.** (Surface remarquable de  $S_6$ ) 67; (Surfaces isothermo-asymptotiques) 257.
- Papapetrou, A. s. Hönl, H.** 423.
- Papkowitch, P. F.** (Zweidimensionale Aufgabe der Elastizitätstheorie) 227.
- Parodi, Maurice s. Barchewitz, Pierre** 415.
- Paschen, F.** (Geister der Linien von Beugungsgittern) 271.
- Pasqualini, Louis** (Propriété à la totalité d'un ensemble) 74.
- Pasternack, Simon** (Fine structure of  $H\alpha$  and  $D\alpha$ ) 87.
- Pastori, Maria** (Tensori sesto-plo isotropo) 286.
- Pauc, Christian** (Continus distanciables ne passant par chaque valeur qu'un nombre fini de fois) 167; (Inté-



- grale de Weierstrass-Bouligand-Menger) 309; (Problème de M. Fréchet) 405.
- Pauli, W. (Ein- oder Zweierwertigkeit der Eigenfunktionen in der Wellenmechanik) 324.
- Pauling, Linus (Interatomic forces in metals) 85.
- Pearson, E. S. (Student as a statistician) 40; (Pitman's contribution to the theory of estimation) 149.
- Pearson, E. S. s. Neyman, J. 243.
- Peck, Edson R. s. Fisher, Russell A. 281.
- Peebles, G. H. (Series of orthogonal polynomials) 212.
- Peierls, R. (Minimum property of the free energy) 84.
- — s. Bethe, H. A. 187.
- Peltesohn, Rose (Hefftersche Differenzenprobleme) 49.
- Penney, W. G., and G. J. Kynch (Magnetic susceptibility of rare-earth crystals) 328.
- Péru, M.-J. (Equilibre relatif des fluides hétérogènes en rotation) 264.
- Perey, Marguerite (Element 87) 89.
- Perkins, F. W. (Mean value theorems) 29.
- Perrin, Francis (Mécanique statistique quantique) 313.
- Perron, Oskar (Browiersche Reihen) 232.
- Peter, J. R. (Elastische Kugeln im Geschwindigkeitsraum) 42.
- Peterlin, A., u. H. A. Stuart (Strömungsdoppelbrechung von Kolloiden und großen Molekülen) 314.
- Peters, Cl. s. Brill, R. 418.
- Petiau, Gérard (Équations électromagnétiques de la théorie du photon) 188.
- Petronievics, Branislav (Nicht-euklidische Geometrien) 249.
- Petrovitch, Michel (Équations différentielles algébriques) 24; 123; 234; (Théorème de M. Pompeiu) 50; (Espèce de quasi-invariants numériques) 210.
- Péyovitch, T. (Déterminant) 101; (Valeur à l'infini des intégrales d'équations différentielles) 358.
- Piaggio, H. T. H. (Incompleteness of „complete“ primitives of differential equations) 124.
- Picasso, Ettore (Geometria differenziale proiettiva delle superficie di  $S_4$ ) 70.
- Picone, Mauro (Problemi di propagazione) 127; (Istituto per le applicazioni del calcolo) 212; (Maggiorazione per gl'integrali delle equazioni ellittico-paraboliche) 359; (Integrali delle equazioni lineari a derivate parziali) 360.
- Piekara, Arcadius (Interaction moléculaire et biréfringence magnétique des liquides polaires) 414.
- Pierce, Jesse (Differential equation of the first order and first degree) 121.
- Pietenpol, W. B. s. Westerfield, Everett C. 171.
- Pinsker, Aaron (Espaces semi-ordonnés) 134; (Fonctionnels dans l'espace de Hilbert) 370.
- — s. Kantorovitch, Leonidas 31.
- Pirenne, M. H. (Molekül  $\text{SiHCl}_3$ ) 414.
- — — s. Debye, P. 275.
- Pişmiş, Paris (K-term) 192.
- Pitman, E. J. G. (Estimation of the location and scale parameters of a continuous population) 149.
- Pitt, H. R. (Mercerian theorems) 17.
- Platone, Giulio (Risoluzione approssimata dei sistemi di equazioni) 154.
- Plendl, H. s. Eckart, G. 268.
- Plessner, A. (Spektraltheorie maximaler Operatoren) 369.
- Pogorzelski, Witold (Equation intégrale de première espèce) 365.
- Pólya, Georges (Problème des moments) 42; (Séries entières lacunaires non prolongeables) 234; (Auflösbarkeit eines Systems unendlich vieler linearer Gleichungen) 310.
- Pomeranchuk, I. (Scattering of slow neutrons in a crystalline lattice) 183.
- Pomerantz, Martin A. s. Johnson, Thomas H. 280.
- Pompeiu, D. (Equations différentielles du premier ordre) 120; (Equation fonctionnelle de Poincaré) 371; (Théorème d'existence) 387.
- Poncin, Henri s. Godefroy, Marcel 173.
- Popkov, V. I. s. Zhebrovskij, S. P. 81.
- Popoff, Kyrolle (Balistique extérieure et mathématiques modernes) 174.
- Popovici, C. (Stabilité des positions d'équilibre) 23; (Vase plongé dans l'eau) 127.
- Postelnicesco, C. (Théorème de M. D. Pompeiu) 385.
- Prager, W. (Kurvengongruenzen) 73.
- Frankl, Friedrich s. Jentschke, Willibald 282.
- Proca, A. (Equation symbolique groupant les équations du méson) 90; (Longueur fondamentale attachée aux particules élémentaires) 419.
- — et S. Goudsmit (Masse du méson) 331.
- Prosciutto, Aristide (Profili alari) 237.
- Pühringer, Alfred (Unter welchen Bedingungen sind zwei Kegelschnitte die scheinbaren Umrisse zweier Kugeln bei einer Zentralprojektion aus demselben Augpunkt?) 385.
- Quensel, Carl-Erik (Death-rates with regard to migrations) 46.
- Quine, W. V. (Theory of types) 338.
- Rabi, I. I. s. Kellogg, J. M. B. 281.
- Racah, Giulio (Teorie nucleari) 88.
- Rademacher, Hans [Fourier series and functional equation of the absolute modular invariant  $J(\tau)$ ] 220.
- Rado, R. (Tauberian theorems. I.) 17; (II.) 218.
- Radojčić, M. (Satz von Ahlfors) 140.
- Rados, Gustav (Substitutionen einer unitären Substitution) 100; (Bedingungsgleichungen zwischen den Koeffizienten einer unitären Substitution) 289.
- Radziński, B. (Bindungsenergie des Kerns  $N^{16}$ ) 333.
- Rai, R. N. s. Saha, M. N. 416.
- Rajagopal, C. T. (Convergence theorems) 14.
- Rakowiecki, Tadeusz (Orbites des étoiles doubles spectroscopiques) 335.
- Rama Rao, M. s. Sibaiya, L. 415.
- Ramsey jr., N. F. s. Kellogg, J. M. B. 281.



- Randels, W. C. (Absolute summability of Fourier series) 16.
- Randolph, John F. (Vitali covering theorem for Carathéodory linear measure) 350.
- Rarita, William, and Zaka I. Slawsky (Nuclear two-body variational problem) 88.
- Rasetti, Franco (Fisica nucleare) 88.
- Rashevsky, N. (Mathematical biophysics of cellular forms and movements) 172; (Mathematical biophysics of the cell) 266; (Mechanism of cell division) 266.
- Rauch, A. (Fonctions entières de la classe de divergence) 235.
- Ray, Manohar (Turbulent liquid motion) 265.
- Reade, Maxwell, and E. F. Beckenbach (Cauchy and Morera theorems) 312.
- Reboul, Jean (Action des rayons X sur les éléments biologiques) 152.
- Rédei, L. (Neues zahlentheoretisches Symbol. II.) 101.
- Regener, E., u. A. Ehmert (Kosmische Ultrastrahlung in der Stratosphäre) 334.
- Reichrudel, E. s. Spiwak, G. 178.
- Reid, William T. (Ordinary linear differential equations with twopoint boundary conditions) 33.
- Reiner, John M. (Diffusion and biological membrane permeability. I.) 151.
- — — s. Young, G. 151.
- Reinhardt, Fritz (Synchronengeneratoren mit Kraftmaschinenregler) 322.
- Rellich, Franz (Störungstheorie der Spektralzerlegung. III.) 306.
- Reulos, René (Equations de Maxwell et séries de tourbillons) 128.
- Reynov, N. s. Veksler, V. 283.
- Ricci, Giovanni (Congettura di Goldbach) 5; (Ricerche italiane di analisi) 212.
- Rice, S. O. (Distribution of the maxima of a random curve) 381.
- Richards, Oscar W., and Arthur J. Kavanagh (Course of population growth) 151.
- Richmond, H. W. (Frank Morley) 197; (Morley-Pesci-de Longchamps theorems) 250.
- Riebesell, Paul (Deutsche Sterbetafel) 246.
- Rieke, Carol Anger s. Franck, James 427.
- Riesz, Marcel (Intégrales de Riemann-Liouville et potentiels) 364.
- Rinehart, R. F. (Commutative algebras) 1.
- Risselman, W. C. (Approximation to the solution of a normal system of linear differential equations) 124.
- Ritt, J. F. (Algebraic aspects of differential equations) 24; (Ideals of differential polynomials) 200; (Intersections of algebraic differential manifolds) 358.
- Roach, F. E. (Relative abundance of CN, C<sub>2</sub>, CH, NH and OH in the solar reversing layer) 190.
- Roberts, W. R. Westropp (Elliptic and hyperelliptic integrals) 136.
- Robertson, M. S. (Piecemeal univalence of analytic functions) 141.
- Robinson, R. T. (Co-axial circles and co-axial spheres) 53.
- Raphael M. (Picard's and related theorems) 378.
- Roger, Frédéric (Classification des extrémales) 308; (Variétés critiques des systèmes de fonctions de plusieurs variables) 309.
- Rogosinski, Werner (Subordinate functions) 140; (Theorem of Bieberbach-Eilenberg) 376.
- Rohrbach, Hans (Dichte in der additiven Zahlentheorie) 3.
- Rollier, Mario Alberto (Misura di tensioni elastiche) 263.
- Romano, Salvatore (Abbassamento della risultante) 57.
- Romanoff, N. P. (Quadratischer Mittelwert der Fundamentalfunktion der additiven Zahlentheorie) 5.
- Room, T. G. (Geometry of determinantal loci) 54.
- Rosca, Radu (Transformations asymptotiques des courbes de l'espace elliptique) 260.
- Rose, M. E., and H. A. Bethe (Polarization in electron scattering) 278.
- Rosen, N. (Field theory of elementary particles) 178.
- Rosenberg, Albert s. Haenny, Charles 422.
- Rosenblatt, Alfred (Séries de fonctions continues d'une variable réelle) 110; (Schlichte Funktionen im Einheitskreis) 141; (Schlichte Reihen im Einheitskreis) 141; (Bemerkung zur vorstehenden Note) 141; (Funzioni univalenti dispari nel cerchio unitario) 141; (Calcul des variations dans le cas des intégrales simples) 308.
- Rosenblatt, Alfred s. Garcia, Godofredo 28; 174.
- Rosenfeld, L. s. Möller, C. 331.
- Rosenthal, E. (Representation of numbers in ternary quadratic forms) 345.
- Rosser, Barkley (Quine's foundations for mathematical logic) 194.
- Rossinski, S. (Surfaces réglées des congruences rectilignes) 67; (Déformation d'une congruence rectiligne) 166.
- Rössler, Fred (Helligkeitsgleichungen an besonderen Flächenarten) 157.
- Roth, Alice (Approximationseigenschaften und Strahlungsgrenzwerte meromorpher und ganzer Funktionen) 235.
- Rothberger, Fritz (Hypothèse du continu) 107.
- Roubaud-Valette, Jean (Équations d'ondes relatives à des particules de spin multiple de  $(1/2) (h/2\pi)$ ) 419.
- Rozet, O. (Transformation birationnelle involutive) 163; (Transformation birationnelle involutive associée à la variété de Segre) 254.
- Rubenstein, Pearl J. s. Morse, Philip M. 177.
- Rubinowicz, A. (Anomalous propagation of phase in the focus) 82.
- Rudolph, Gerhart (Temperaturmessungen in einer Glühmentladung) 269.
- Rüegg, J. H. (Merkwürdigkeiten beim Dreieck) 157.
- Rysselberghe, Pierre van (Réactions photochimiques, chimiluminescentes et électrochimiques) 321.
- Sadowsky, Michael (Tetrahedral Riemann surface model) 407.
- Sæther, Egil (Realität der Hauptkrümmungsradien und Krümmungslinien) 64.
- Saha, M. N., and R. N. Rai (Ionization of the upper atmosphere) 416.



- Sakata, Ryoji (Abbildungen der Kompakten auf die Sphäre) 80.
- Sakellariou, N. (Variationsrechnungsproblem im  $n$ -dimensionalen Riemannschen Raum) 33.
- Sakurai, Tokio (Operational methods and theory of Laguerre's series) 112; (Slow steady rotation of cylinder in viscous fluid. III.) 170; (Operational solutions of differential and difference equations) 223.
- Salem, Raphaël (Convergence en moyenne des séries de Fourier) 111.
- Salini, U. (Metodo di Minding) 256.
- Salvemini, Tommaso (Frequenza di una variabile casuale di variabile dipendenti) 38.
- Sansone, Giovanni (Sommabilità di Cesàro) 16; (Problema dei momenti rispetto al sistema ortogonale di Legendre) 213.
- Sas, Ernst (Extremumeigenschaft der Ellipsen) 402.
- Sasaki, Shigeo (Curves in a curved conformal space) 260.
- Sastry, R. V. (Self-reciprocal function) 357.
- Satô, Saburô (Projektive Differentialgeometrie und N. E. Differentialgeometrie. I.) 69; (Closure of the Hermite functions) 115.
- Sauer, Robert (Gewebegeometrie) 401.
- Sauter, Fritz (Ideale Magnetisierungskurve) 86; (Elektrischer Widerstand guter Leiter) 182.
- Sauvenier, H. (Effet Auger et l'émission des raies spectrales) 416.
- Savin, S. A. (Solution of differential equations of the theory of elasticity by means of integral polynomials) 227.
- Savitch, Paul (Radioélément gazeux formé dans l'uranium) 333.
- Savorgnan, Franco (Schwerpunkt der Alterspyramide) 246.
- Savornin, Jean (Diffraction éloignée) 410.
- Sawkins, Dansie T. (Cumulative graphs for estimation of means) 148.
- Schade, R. (Zündvorgang der elektrischen Entladung) 268.
- Schäfer, K. s. Eucken, A. 275.
- Schalén, Carl (Strahlungsdruck, Gravitation und interstellare Materie) 336.
- Scheffers, Georg (Lehrbuch der Mathematik) 12.
- Scheib, Artur (Kurzschlußvorgänge in Netzen) 228.
- Schendell, Gerhard (Logarithmischer Rechenschieber) 248.
- Schenkel, Gerhard (Vektorpotentialfeld stromflussener Toroide) 321.
- Scherk, Peter (Differenzierbare Kurven und Bögen. III.) 75.
- Scherzer, O. (Elektron im Strahlungsfeld) 330.
- Schiff, L. I., and H. Snyder (Quadratic Zeeman effect) 179.
- Schilling, O. F. G. (Abstract theory of Abelian functions) 101; (Normalextensions) 291.
- Schmid, R. s. Gerö, L. 274.
- Schmidt, Erhard (Isoperimetrisches Problem im Raum von  $n$  Dimensionen) 373.
- Friedrich Karl (Wronskische Determinante in Funktionskörpern) 102; (Arithmetische Theorie der algebraischen Funktionen. II.) 102.
- Hermann (Umkehrproblem bei periodischen und fast-periodischen Funktionen) 310.
- Th. (Elektrisches Kernquadrupolmoment und Paschen-Back-Effekt) 89.
- Schmieden, C. (Landestofß von Flugzeugschwimmern) 264.
- Schnirelmann, L. (Fonctions dans les corps normés et algébriquement fermés) 291.
- Schoblik, F. (Lemma von G. N. Watson) 114.
- Schoeneberg, Bruno (Mehrfache Thetareihen und Modulsubstitutionen) 202.
- Schoeneck, H. s. Steiner, K. 328.
- Scholz, Edmund (Erbgangsberechnung) 244.
- Schouten, J. A. ( $p$ -Vektoren und  $W$ - $p$ -Vektoren) 73.
- Schubert, Erich (Konvergenz von Reihen) 354.
- Schüler, H., u. H. Gollnow (Anhang zur vorstehenden Mitteilung) 186.
- H. Gollnow u. H. Haber (Molekülbildungsprozesse und Umwandlung von Translations- in Rotationsenergie) 413; („Druckeffekt“ im Spektrum des Aluminiumhydrides) 413.
- Schultz, B. H. s. Haas, W. J. de 278.
- Schuster, Ludwig (Reellquadratische Zahlkörper ohne Euklidischen Algorithmus) 101.
- Schütte, K. (Theoretische Intensitätskurven von rotierenden Gleichgewichtsfiguren. I.) 175.
- Schweigert, G. E. s. Hall, D. W. 79.
- Scorza, Gaetano (Teoria delle algebre) 199.
- Scorza Dragoni, Giuseppe (Traslazione) 79; (Archi di traslazione di un automorfismo piano) 166; (Elementi uniti di trasformazioni funzionali e problemi di valori ai limiti) 223; (Criterio di esistenza per un problema di valori ai limiti) 223.
- — — s. Caccioppoli, Renato 135.
- Seetharaman, V. (Differential invariants for higher path spaces) 301.
- Segal, B. (Diophantic approximations) 7.
- Segre, Beniamino (Luogo dei punti da cui una data varietà algebrica iperspaziale è proiettata multiplemente) 55; (Residui relativi ai punti uniti delle corrispondenze) 58; (Théoreme fondamental de géométrie sur les surfaces algébriques) 59; (Formula integrale di Cauchy) 143.
- Segrè, E. (Element 43) 333.
- — s. Jenkins, F. A. 179.
- Selmer, Ernst S. (Kubische Gleichung mit drei reellen Wurzeln) 339.
- Sen, N. R. (Pressure relations in the interior of stellar bodies) 431.
- Serbin, H. (Factorization in principal ideal rings) 200.
- Sergeev, M. (Optical properties of metals) 184.
- Serpe, J. (Théorie de l'émission  $\beta$  de Wentzel) 188.
- Seth, B. R. (Motion of a sphere through a viscous liquid) 264; (Potential solutions) 364.



- Severi, Francesco (Periodi degli integrali multipli d'una varietà algebrica) 36; (Sistemi di equivalenza sulle varietà algebriche) 57.
- Severny, A. B. (Gravitational instability of a material sphere) 317.
- Sevin, Émile (Physique stellaire, essai de synthèse) 432.
- Sewell, W. E. (Ungleichungen, die mit der Exponentialfunktion zusammenhängen) 209; (Jackson summation of the Faber development) 214.
- — — s. Walsh, J. L. 213.
- Shabde, N. G. ( $k_n$ -functions) 117.
- Shapley, Harlow (Distribution of eighty-nine thousand galaxies) 429; (Distance to the galactic center) 429.
- Shastri, N. A. (Infinite integral involving Bessel functions, cylinder functions, and hypergeometric functions) 21; (Integral relations between the  $k$ -function and hypergeometric functions) 116; (Confluent hypergeometric functions) 117.
- Shepherd, W. M. (Trigonometrical series) 111.
- — — s. Linfoot, E. H. 365.
- Shirai, Tameharu (Condition of the set which might be a derived set) 297.
- Shohat, J. (Orthogonal polynomials) 299.
- Shonka, Francis R. (Penetrating neutral particles) 283.
- Shur, J. S. (Heat treatment in a magnetic field and distribution of the spontaneous regions) 277.
- Sibaiya, L., and M. Rama Rao (Surface tension and Lindemann frequency) 415.
- Sibirani, F. (Identità numerica) 209.
- Sierpiński, Waclaw (Hypothèse du continu) 10; (Base dénombrable d'ensembles linéaires dénombrables) 108; (Proposition de M. Lusin) 350; (Fonctions inverses aux fonctions satisfaisant à la condition de Baire) 351.
- Sigley, D. T. (Groups which involve a given number of unity congruences) 9.
- Sinogowitz, Ulrich (Kreislagen und Packungen kongruenter Kreise) 387.
- Sispánov, Sergio (Problem von Malfatti) 50; (Bewegung eines starren Körpers) 174.
- Sitnikov, M. M. (Ion current in magnetron) 270.
- Sitte, Kurt s. Fürth, Reinhold 287.
- Slack, F. G. s. Anderson, H. L. 422.
- Slawsky, Zaka I. s. Rarita, William 88.
- Ślebodziński, W. (Connexion rhéonome et problème de l'équivalence) 398.
- Smirnov, A. (Peterson and Nordheim's method) 182.
- Smith, Adam J. (Semi-continuous decompositions of curves and manifolds) 409.
- B. Babington s. Kendall, M. G. 243.
- Smoukovich, David s. Dufay, Jean 430.
- Smythe, W. R. (Cosmic rays and radioactive potassium) 281.
- Snell, George D. (Induction by irradiation with neutrons of hereditary changes in mice) 152.
- Snoep, J. (Interpolation bei veränderlichem Zinsfuß) 44.
- Snyder, H. s. Schiff, L. I. 179.
- Virgil, and Evelyn Carroll-Rusk (Cremona involution in  $S_3$ ) 393.
- Soboleff, S. (Problème de Cauchy pour les équations quasi-linéaires hyperboliques) 126.
- Söhngen, Heinz [Integralgleichung  $g(x) = \frac{1}{2\pi} \oint_{-a}^a \frac{f(\xi)}{x-\xi} d\xi$ ] 362.
- Sokolnikoff, E. S. s. Sokolnikoff, I. S. 263.
- I. S., and E. S. Sokolnikoff (Thermal stresses in elastic plates) 263.
- Sokolov, A. (Neutrinotheorie des Lichtes) 189; III. 420.
- Sokolovski, V. (Momentless shells) 169.
- Solomentsev, E. (Subharmonic functions) 364.
- Solomon, Jacques (Théorie quantique de la gravitation) 93; (Masse du neutrino) 187; (Gravitation et quanta) 189; (Tension superficielle en physique nucléaire) 332; (Rupture des noyaux radioactifs par les neutrons) 333.
- Solonoutz, B. (Torsion problem for unsymmetrical domains) 363.
- Southwell, R. V. s. Bradfield K. N. E. 226.
- Spampinato, Nicolò (Geometria dell'  $S$ , biduale proiettivo) 254, 392.
- Spasskij, B. s. Blokhintzev, D. 182.
- Spiegelman, Mortimer (Mortality and widowhood) 246.
- Spiwak, G., and E. Reichrudel (Collector currents in a plasma) 178.
- Spoerl, Charles A. (Whittaker-Henderson graduation formula A) 155.
- Squire, H. B. (Lift and drag of a rectangular wing) 264.
- Sretzensky, L. (Inverse problem of potential theory) 364.
- Stackelberg, Heinrich von (Preisdiskrimination) 247.
- Starr, Merle A. s. Hughes, A. L. 274.
- Staub, H., and W. E. Stephens (Scattering of neutrons by helium) 278.
- Steck, Max [Pascallortbüschel in der projektiven Geometrie  $S(31/2/6)$ ] 251.
- Stein, K. s. Behnke, H. 36, 378.
- Steiner, K., u. H. Schoeneck (Magnetische Induktionsänderung in Supraleitern) 328.
- Steinhaus, Hugo (Mathematical Snapshots) 49.
- Stene, Sverre (Tests of significance and problems of goodness of fit) 40.
- Stenij, S. E. (Integration der Bewegungsgleichungen eines dynamischen Systems) 226.
- Stephens, W. E. s. Staub, H. 278.
- Stevens, W. L. (Latin square) 294.
- Stöhr, Alfred (Zerlegungen von Rechtecken in inkongruente Quadrate) 51.
- Stone, M. H. (Representation of Boolean algebras) 342.
- Stoner, Edmund C. (Collective electron ferromagnetism. II.) 277.
- Stoves, John L. s. Clark, C. H. Douglas 114.
- Strassmann, F. s. Hahn, O. 421.
- Strazzeri, V. (Coniche biapolari) 52.
- Strodt, Walter Charles (Irreducible systems of algebraic differential equations) 359.
- Strohmeier, Herbert (Versicherungsmathematische Formelsammlung) 44.



- Strubecker, Karl (Geometrie des isotropen Raumes) 66; (Eulersche Transformation) 394; [Transformationstheorie der Komplexe (11) (112)] 400.
- Struve, Otto (Interstellar gas clouds) 426.
- — K. Wurm and L. G. Henyey (Metastable levels in hydrogen and helium) 191.
- Stuart, H. A. s. Peterlin, A. 314.
- Stueckelberg, E. C. G. (Interaction between nuclear particles) 90.
- Suits, C. G. (Convection currents in arcs in air) 324.
- Sulaiman, S. M. (Einstein's orbital equation) 92; (Levi-Civita's formulae for two bodies) 424.
- Sunyer i Balaguer, F. (Transformations des formules de sommabilité) 216.
- Supino, Giulio (Condizioni ai limiti per le lastre elastiche piane) 169.
- Sutherland, G. B. B. M. (Force constant, inter-nuclear distance, and dissociation energy of a diatomic linkage) 325.
- Svartholm, N. (Fuchssche Differentialgleichung zweiter Ordnung) 121.
- Swann, W. F. G. (Cosmic-rays) 282; [ $F^2\varphi - (I/c^2)\delta^2\varphi/\delta t^2 = -\alpha$ ] 304.
- Swirles, Bertha (Zero order wave functions for complex atoms) 412.
- Synge, J. L. (Paper by H. Hilton) 165.
- Szász, Otto (Fourier series with restricted coefficients) 111; (Extremum problems in the theory of Fourier series) 111; (Cesàro'sche und Riesz'sche Mittel Fourier-scher Reihen) 216.
- Szegő, G. (Sets of orthogonal polynomials) 299.
- Szepesi, Z. s. Bay, Z. 329.
- Sz. Nagv, Béla de (Self-groups of selfadjoint transformations in Hilbert space) 134.
- Szpilrajn, Edward (Ensembles indépendants et mesures non séparables) 109.
- Takahashi, Shin-ichi (Almost periodic function in the mean) 300.
- — s. Kawara, Tatsuo 20.
- Takasu, Tsurusabura (Konformgeometrische Verallgemeinerung der geodätischen Linien) 72; (II.) 165.
- Takeda, Kusuo (Line congruences. II.) 68.
- Takegami, Toshichiro (Oscillation of lake water) 363.
- Tamm, Ig. (Isotope shift of spectral lines and interaction of neutrons with electrons) 179.
- Tănăsescu, Tudor A. (Elektrisches Lösungsverfahren für algebraische Gleichungen) 154.
- Tang, P. C. (Power function of the analysis of variance tests) 243.
- Tannaka, Tadao (Dualitätssatz der nichtkommutativen topologischen Gruppen) 9.
- Tappert, J. G. (de Broglie's equation) 83.
- Tarski, Alfred (Aussagenkalkül und Topologie) 337.
- Taub, A. H. (Spin representation of inversions) 88.
- Tautz, Georg (Nichtlineare Integralgleichungen bei unendlichem Integrationsgebiet) 132.
- Taylor, A. E. (Unconditional convergence) 216.
- — — s. Bochner, S. 371.
- Tchakaloff, Lubomir (Développements de Taylor) 12.
- Tchao, Quang Te s. Le Boiteux, H. 43.
- Teghem, Jean (Répartition uniforme) 104.
- Teichmüller, Oswald (Dreikreisesatz) 235; (Konforme und quasikonforme Abbildung) 238.
- Teller, E. s. Gamow, G. 432.
- — s. Herzfeld, Karl F. 84.
- Temliakow, A. A. (Nichtlineare Integralgleichung) 30.
- Temple, G. (Lorentz transformation and dual nature of light) 91; (Relaxation methods) 247.
- Ten Pas (Sterblichkeit in den Niederlanden) 47; (Abnorme Sterblichkeitsquotienten und lineare Sterbechancen) 153.
- Teodoru, Luca (Application du viriel en mécanique) 173.
- Terasaka, Hidetaka (Topologische Verbände) 78; (Reguläre Kurvensysteme auf der 2-Sphäre) 262.
- Terracini, Alessandro (Surfaces ayant des lignes principales données) 259.
- Thébault, V. (Nombres de Pythagore) 3. (Cercles de Tükker) 249; (Hexagone à côtés consécutifs rectangulaires) 386; (Points de contact du cercle des neuf points) 386.
- Thibaud, Jean, et André Mousa (Désintégration de l'uranium) 333.
- Thielman, H. P. (Laplace transformation) 30.
- Thiessen, P. A., u. K. Molière (Absorption und Brechungseffekt der Elektronenstrahlen. I., II.) 417.
- Thiruvencatachar, V. R. (Harmonic functions) 29.
- Thoma, Alfred s. Hort †, Wilhelm 361.
- Thompson, Julian L. (Sidereal time variations of cosmic rays) 188.
- William R. (Biological applications and associated significance tests) 150.
- Thomson, J. J. (Electronic waves) 273.
- Thrall, R. M., and J. H. Chandler (Ternary trilinear forms) 61.
- Thurman, George R. s. Blumenthal, Leonard M. 80.
- Tino, O. N. (Théorème de Hilbert-Schmidt) 365.
- — — u. M. Ghermănescu (Konstruktionsaufgabe) 250.
- Tjagunov, G. A. (Electric discharge in gas) 269.
- Tocchi, Luigi (Serie doppie) 355.
- Todd, J. A. (Correspondences in projective geometry) 158.
- Toeplitz, Otto (Dirichlet'sche Reihen) 18.
- Togliatti, Eugenio G. (Forme cubiche dello spazio a 5 dimensioni) 162.
- Tolansky, S. (Nuclear spin of iodine. IV.) 333.
- Tolman, Richard (Static solutions of Einstein's field equations) 284.
- Tolotti, Carlo (Equilibrio delle piastre elastiche anulari libere) 227.
- Tomonaga, Shin-ichiro, and Minoru Kobayasi (Scattering and splitting of photons) 91.
- Tompkins, C. (Isometric embedding of flat manifolds) 397.
- Tonelli, Leonida (Semicontinuità per i problemi di Mayer) 33; [Equazione differenziale  $y'' = f(x, y, y')$ ] 123; (Calcolo delle variazioni) 135.



- Tonnelat, Marie-Antoinette (Théorie du photon et théorie de l'électron lourd) 90; (Equations du photon) 331.
- Tonolo, Angelo (Integrazione di sistemi differenziali di Dirac) 26; (Teorema trigonometrico del Legendre) 255.
- Tornehave, Hans (Formule de Jensen aux fonctions analytiques de plusieurs variables) 240.
- Touchard, Jacques (Sinus du troisième ordre) 218; (Equation différentielle des sinus du troisième ordre) 218; (Fonctions  $\cotg x$  et  $p x$ ) 365.
- Touganoff, N. G. (Lignes sur la surface dont la torsion géodésique et la courbure normale sont liées par une relation linéaire) 64.
- Townsend, A. A. s. Martin, L. H. 333.
- Tricomi, Francesco (Funzioni analitiche) ●34; (Funzioni ellittiche) ●34; (Transformations de Fourier, Laplace, Gauss; calcul des probabilités et à la statistique) 39; (N-edro regolare) 51; (Legge Gaussiana degli errori) 145; (Formula di Stirling) 356.
- Trititzinsky, W. J. (Non-linear singular differential equations) ●123.
- Tsuboko, Matsui (Ruled hypersurface with a given curve of singularity in  $R_4$ ) 396.
- Tsuji, Masatsugu (Bounded harmonic functions) 130; (Fatou's theorems on Poisson integrals) 130.
- Tuckey, C. O. (Diagram for triangles) 386.
- Tukey, John W. (Intrinsic metric of a polytope) 168.
- Tummers, J. H. (Courbe du troisième ordre) 51; (Erweiterung) 388.
- Turán, Paul (Partialsummen der Fourierreihe) 14.
- Turkin, W., et P. Dubuque (Structure des groupes simples) 208.
- Turri, Tullio (Curve di genere due) 103; (Superficie iperellittiche di rango 1) 161; (Gruppi di moltiplicabilità delle matrici di Riemann) 161; (Sistemi lineari di reciprocità razionali) 161; (Gruppi lineari di omografie razionali) 161.
- Turrière, E. (Cubiques d'Edouard Lucas) 50.
- Tzitzeica, G. (Mouvements à un paramètre d'un solide) 174.
- Ugolini, Giovanni B. (Procedimenti statistici e idrologia) 41; (Lemma di Levi Civita) 170.
- Uller, K. (Elektromagnetische Induktion und Wellenkinematik) 176.
- Ullmo, Jean (Equilibre économique) 48.
- Umeda, Kwai (Partitio Numerorum und Kernanregung) 205; [Tabelle von  $I_m(n)$  der Partitio Numerorum] 293; (Debyetemperatur des Flüssigkeitströpfchenmodells für den Atomkern) 420.
- Unsöld, A. (Kontinuierliches Spektrum der Hg-Hochdrucklampe) 85; (Serien-grenzkontinua im Spektrum der Sonne) 93.
- Ursino, Grazia (Trasformazioni cubiche piane) 254.
- Uzkow, A. I. (Jordan-Hölder theorem) 206.
- Vahlen, Th. (Descartes' Zeichenregel und interszendente Polynome) 199.
- Väisälä, K. (Geometrische Wahrscheinlichkeiten) 403.
- Válcovici, V. (Mouvement des systèmes) 173.
- Valiron, Georges (Equation fonctionnelle et suites de facteurs) 139; (Surfaces de Riemann définies par certaines fonctions entières) 237; (Directions de Borel des fonctions algébroides méromorphes) 378.
- Vallarta, M. S. (Multiple charged primary particles in cosmic radiation) 334.
- — — and R. P. Feynman (Scattering of cosmic rays by the stars of a galaxy) 283.
- — — C. Graef and S. Kusaka (Galactic rotation and intensity of cosmic radiation) 422.
- La Vallée Poussin, Ch. de (Points irréguliers. II.) 130.
- Vandiver, H. S. (Semi-rings) 199.
- Varela Gil, J. (Geschlossene Jordansche Kurven ohne mehrfache Punkte) 261.
- Varga, O. (Integralinvarianten in der Hermiteschen Geometrie) 402.
- Varma, R.-S. (Fonctions de Bessel) 219.
- Vasilescu, Florin (Point irrégulier dans le problème de Dirichlet) ●229.
- Del Vecchio, Ettore (Calcolo approssimato di una rendita vitalizia) 46; (Applicazione del calcolo delle probabilità a un problema connesso con la riassicurazione) 245.
- Veen, J. H. van der, and L. S. Ornstein (Reflecting power of iron for visible light) 418.
- S. C. van (Gibbs'sches Phänomen) 14.
- Veksler, V., K. Alekseeva and N. Reynov (Heavy electrons in cosmic rays) 283.
- Venkataraman, B. R. (Inverses of a circle with respect to a tetrad of fixed circles) 388.
- Venkatarayuda, T. (Normal frequency of the diamond lattice) 329.
- Vesilov, M. (Internal electrons and energy of chemical bond) 179.
- Vessiot, E. [ $F(x, y, z, p, q, r, s, t) = 0$ , intégrable par la méthode de Darboux] 301; (Réductibilité des systèmes automorphes) 302.
- Vietoris, L. (m-gliedrige Verschlingungen) 407.
- Vignaux, J. C. (Asymptotische Dirichletsche Reihen) 19; (Fonctions polygènes. I.) 38; (Funzioni poligene. II.) 38; (Teorema di Abel per le serie doppie) 217.
- Villa, Mario (Varietà iperalgebriche dello spazio bi-complesso) 56; (Curve quasi-asintotiche. I., II.) 258; (Varietà situate sui coni proiettanti la  $V_2^r$ . I., II.) 391.
- Vincensini, Paul (Congruences à angle des plans focaux constants) 54; (Représentation géographique des surfaces) 65.
- Vinogradoff, I. (Sätze aus der analytischen Zahlentheorie) 203;
- Viola, Tullio (Formula risolutiva del problema di Dirichlet) 129; (Possibilità di prolungare una funzione armonica) 129; (Estremanti di un integrale) 307; (Curve di massima lunghezza) 308.
- Visser, Tj. S. (Assurance d'un capital de survie) 384.

- Vleck, J. H. van s. Bardeen, J. 182.
- Vogel, Kurt (Vor- und frühgeschichtliche Mathematik) 195.
- Vogt, H. (Gestalt der Spiralnebel) 428.
- Vogtherr, K. (Massen und Lichtfortpflanzung) 423.
- Voit, H. (Elektronenoptische Bildfehler) 272.
- Volkoff, B. M. s. Oppenheimer, J. R. 285.
- G. M. (Équilibre de masses sphériques) 285.
- Volta, Luigi (Astronomia) 93.
- Volterra, E. (Statica grafica) ●317.
- Vranceanu, G. (Equations aux dérivées partielles du second ordre) 26.
- Vyčichlo, F. (Transformations corrélatives régulières) 53; (Geometria proiettiva delle varietà anolome. I., II.) 70.
- Wachs, S. (Théorème de Fermat) 7.
- Waerden, B. L. van der (Otto Hölder) 197.
- Wagner, V. ( $V_3^2$  von der Krümmung Null in  $R_3$ ) 397; (Curvature vector of a non-holonomic  $V_3^2$ ) 397.
- Waismann, Friedrich (Logik eine deduktive Theorie?) 99.
- Wajsberg, Mordchaj (Metalogische Beiträge. II.) 337.
- Wald, A. (Inequality of Markoff) 380.
- Walisz, Arnold (Ramanujanische Sätze) 202; (Gitterpunkte in mehrdimensionalen Ellipsoiden. VII.) 203; (VIII.) 204.
- Wallace, A. D. s. Hall, D. W. 405.
- Walsh, J. L., and W. E. Sewell (Degree of trigonometric and polynomial approximation to an analytic function) 213.
- Walter, Kurt (Apsidenbewegung in engen Doppelsternsystemen) 335.
- Walther, A., H.-J. Dreyer u. H. Estenfeld (Logarithmenpapier) 248.
- Ward, Morgan, and R. P. Dilworth (Residuated structures) 343.
- Wataghin, G. (Equazioni gravitazionali. II.) 88.
- Watson, G. N. (Laguerre polynomials) 218.
- W. H. (Electrostatic fields) 266.
- Webber, G. C. s. Nowlan, F. S. 2.
- Webster, M. S. (Orthogonal polynomials) 13.
- Wecken, Franz (Unitärinvarianten selbstadjungierter Operatoren) 305.
- Wefelmeier, W. (Transurane) 281.
- Wehrlé, Philippe s. Dedeant, Georges 265.
- Weigle, Jean (Réseau réciproque et surfaces de dispersion) 273.
- Weinberg, Alvin M. (Biological periodicity) 127.
- Weisner, Louis (Transitive group of degree  $n$  and class  $n - 1$ ) 294.
- Weiss, E. A. (Mannigfaltigkeit von Perazzo) 253.
- Weisz, Paul (Mesotron und Richtungsverteilung der Höhenstrahlung) 332.
- Weitzenböck, R. (Projektive Invarianten von vier und fünf Geraden im  $R_4$ ) 389.
- Weizsäcker, C. F. v. (Wefelmeiersches Modell der Transurane) 186; (Bemerkungen) 284.
- Welch, B. L. (Confidence limits and sufficiency) 382.
- Welker, Heinrich (Elektronentheoretisches Modell des Supraleiters) 87.
- Wellmann, Peter (Rotationsverbreiterte Linien) 427.
- Wells, Edward H. (Mechanographic graduation) 155.
- Wentzel, Gregor (Quantentheorie und Wellenmechanik) 83; (Angular spread [of cosmic-ray showers]) 422.
- Wertheimer, Albert (Confidence intervals and inverse probability) 382.
- Westerfield, E. C. (Thermal dilatation of superconductors) 183.
- — — and W. B. Pietenpol (Viscosity in an expanding bubble) 171.
- Weyl, Hermann (Unitary metrics in projective space) 71; (Mean motion. II.) 172; (Classical groups, their invariants and representations) ●206.
- Whipple, Fred L. (Supernovae and stellar collisions) 432.
- White, H. S. (Convex cells formed by seven planes) 407.
- Whitmore, William F. (Interreflections inside an infinite cylinder) 363.
- Widder, D. V. s. Boas jr., R. P. 133.
- Widdowson, E. E. (Upper limits of  $\beta$ -ray spectra) 89.
- Wieleitner, Heinrich (Algebraische Kurven. 2.) ●389.
- Wiersma, J. T. s. Clay, J. 280.
- Wigner, E. (Unitary representations of the inhomogeneous Lorentz group) 296.
- Wilks, S. S. (Fiducial distributions in fiducial inference) 48.
- Williams, C. W. (Problem of Poncelet pentagon) 50.
- D. (Relations between energy theorems) 168.
- E. J. (Scattering of fast electrons and of cosmic-ray particles) 329.
- W. L. (Problem of five bodies) 319.
- Williamson, John (Simultaneous reduction of a square matrix and an Hermitian matrix) 289.
- Wilson, Edwin B. (Standard deviation of sampling for life expectancy) 47.
- — — and Jane Worcester (Resolution of tests into two factors) 250.
- R. (Asymptotic properties of orthogonal polynomials) 212.
- Volney C. (Penetrating cosmic rays) 187.
- W., and J. Cattermole (Elementary particle) 280.
- Winn, C. E. (Problème des quatre couleurs) 262.
- Wintner, Aurel (Liouville systems and almost periodic functions) 172; (Smoothness of infinite convolutions) 211; (Normal inertia) 307.
- Wold, Herman (Inversion of moving averages) 147.
- Wolf, H. (Plausibelste Gerade einer fehlerzeigenden Punktreihe) 41.
- Wolkenstein, Th. (Electron conductivity of dielectrics) 415.
- Worcester, Jane s. Wilson, Edwin B. 250.
- Worthing, A. G. (Radiation laws describing the emission of photons by black bodies) 319; ( $\lambda T$  relations for black body radiation) 319.
- Wright, E. M. s. Hardy, G. H. 292.
- Wrinch, D. M. (Discrete vector maps) 387; (Vector maps of finite and periodic point sets) 387.



- Wunderlich, Walter (Dreiecksnetz aus Kreisen) 400.
- Wünsche, Günther (Nomographische Behandlung des Zinsfußproblems) 45.
- Wurm, K. (Spectra of comets and their forms) 428.
- — s. Struve, O. 191.
- Yamagata, Toshio (Density-distribution of a close binary and the motion of the periastron in its orbit) 175.
- Yano, Kentaro (Théorie unitaire de MM. Einstein et Bergmann) 93; (Théorie unitaire d'Einstein et Mayer) 286.
- Yosida, Kôzaku (Markoff's process) 146; (Exponential-formula in the metrical complete ring) 200.
- — and Shizuo Kakutani (Mean ergodic theorem and problems of Markoff's process) 39; (Integral operator with bounded kernel) 306.
- Young, Gale (Diffusion forces in metabolizing systems) 171; (Mechanics of viscous bodies) 266.
- Young, Gale s. Eckart, Carl 198.
- — and J. M. Reiner (Mechanical forces and torque on an ellipsoid in diffusion fields) 151.
- Youngs, J. W. T. (Squares) 250.
- Yoxall, A. L. (Paper by J. A. Todd) 390.
- Yü, Chieh-Fan (Verticis of an oval) 163.
- Yvon, Jacques (Rayon de l'électron) 330.
- Zacharias, J. R. s. Kellogg, J. M. B. 281.
- Zagar, F. (Problema dei due corpi di masse crescenti) 175.
- Zappa, Guido (Gruppi super-solubili) 207.
- — s. Gini, C. 148.
- Zaremba, Stanislas Christian (Indice de Kronecker) 79.
- Zariski, Oscar (Arithmetic theory of algebraic varieties) 391.
- — s. Muhly, H. T. 160.
- Zavelsky, A. ( $\beta$ -spectrum of ThC'' and ThB) 187.
- Zeuli, Modesto (Moto liquido piano con esistenza di vortice in un canale) 228.
- Zhebrovskij, S. P., and V. I. Popkov (Physical processes in electric filters) 81.
- Zimmermann, Fritz (Nomogramme für komplexe Ausdrücke) 155.
- Zippin, Leo s. Montgomery, Deane 9, 295.
- Zito, Ciro (Irrazionalità ciclico-imprimitiva di Amato) 100.
- Zorn, Max (Discontinuous groups and allied topics. III.) 8; (Fonctions analytiques) 231.
- Zuckerman, Herbert S. (Modular forms belonging to subgroups of the modular group) 220; (Identities analogous to Ramanujan's identities) 293.
- Zwinggi, E. (Erneuerungsproblem) 48.
- Zygmund, A. s. Marcinkiewicz, J. 231.

# Sachregister

zu den Bänden 16—20.

● bedeutet Gesamtdarstellung oder Literaturbericht.

*Absoluter Differentialkalkül s. Differentialgeometrie, Tensorkalkül.*

*Additive Zahlentheorie s. Zahlentheorie, additive Zahlentheorie.*

*Algebra s. Eliminationstheorie; s. Gruppentheorie; s. Invariantentheorie; s. Kombinatorik; s. Körpertheorie, Ringe usw.; s. Lineare Algebra, Matrizen und Determinanten; s. Logik, Algebra der Logik; s. Polynome und algebraische Gleichungen.*

*Algebra der Logik s. Logik, Algebra der Logik.*

*Algebraische Funktionen und Abelsche Integrale (s. a. Algebraische Geometrie; s. a. Elliptische Funktionen und Verwandtes; s. a. Körpertheorie, Ringe usw., Funktionenkörper) Biggiero 20, 160; Cecioni 16, 322; Comessatti 16, 220; Constantinesco 17, 258; Cotton 17, 25; Kawada 19, 331; Kommerell 16, 110; Petersson 18, 62, 63, 357; Petrovitch 17, 258; Roberts 20, ●136; Schilling 20, 101; Severi 20, 36; Turri 20, 103; Weil 18, 63; Wirtinger 19, 182.*

*Algebraische Geometrie (s. a. Analytische und projektive Geometrie; s. a. Differentialgeometrie, Kurvennetze in der Ebene und auf Flächen) Ales 18, 233; Babbage and Todd 16, 74; Bassi 18, 38; Black and Davis 16, 132; Bompiani e Bortolotti 16, 74; Bronowski 17, 32; Burniat 17, 184; Buzano 17, 324; Chow u. van der Waerden 16, 40; Clarkson 16, 132; Comessatti 16, 220; 20, 157; Daly 16, 223; Dye 17, 372; Edge 17, 322; Eger 16, 41; Ehresmann 16, 74; Emch 16, 180; Enriques 16, 40; Fano 16, 133; Finsler 16, 221; 19, 325; de Franchis 17, 223; 20, 58; Gangi 20, 254; Gherardelli 20, 57; Godeaux 16, 132, 324, 371, 415; 17, 129, 130, 184; 18, 167, 327; 19, 366, 367; 20, 56; Gröbner 18, 330; 20, 57; Hodges 16, 325; 17, 420; 19, 79; Hollcroft 17, 185, 221; Libois 17, 222; Lombardo 17, 185; Longhi 16, 372; Mabilie 19, 41; Maxwell 16, 222; Otto 16, 179; Ramamurti 19, 181; Romana 17, 420; Romano 20, 57; Room 20, ●54; Roth 16, 41, 223; 17, 277; 18, 167; Rozet 19, 230; Schilling 17, 375; 20, 101; Scorza 16, 150; Segre 18, 232, 329; 20, 55; Seifert 16, 370; Severi 16, 324; 17, 129, 225; 18, 422; 20, 57; Spampinato 20, 254; 392; Spyropoulos 19, 323; Srinivasiengar 19, 41; Terracini 16, 75; 19, 181, 182; Tigano 17, 184; Togliatti 16, 221; Todd 16, 40; 17, 87, 185, 325; Todd and Maxwell 17, 420; Turri 19, 368; Villa 16, 72, 371; 17, 223, 224; 20, 56, 391; van der Waerden 16, 41; 18, 234, 270, 421; 19, 180; Weiss 19, 76; 20, 253; Wirtinger 16, 223; Wong 19, 366; van der Woude 16, 322; Zappalà 17, 420; Zariski 16, 41, 223, 325; 18, 201; 20, 391.*

*Algebraische Flächen Ales 20, 253; Amin 20, 390; Archbold 16, 73; 17, 32; Aue 19, 279; Barrau 19, 77; Black and Davis 16, 132; Bogdan 20, 390; Bronowski 16, 221; 18, 421; Brown 19, 323; Brusotti 20, 253; Burniat 16, 132; 17, 183; 20, 162; Buzano 17, 324; Calapso 16, 323; Campedelli 16, 221; Castelnuovo 16, 73; Chow 20, 253; Conforto 19, 77; 20, 59; Cooley 17, 183; Danielson 17, 374; Emch 16, 180, 221; 17, 87; 20, 60; Enriques 16, 40; 19, 368; 20, 59; Fabricius-Bjerre 20, 59; Faedo 19, 78; de Franchis 16, 222; Gambier 19, 231; Godeaux 16, 40, 179, 323, 324; 17, 324, 325; 18, 38, 168, 327; 19, 230; 20, 59, 161, 162; Görner 19, 368; Hodges 16, 73; 19, 182; Hollcroft 19, 323; 20, 160; Kadeřávek 20, 160; Kubota 17, 278; Libois 17, 222; Lusin 19, 81; Maroni 16, 179; Maxwell 16, 222; 17, 31; Milne 19, 138; Morin 19, 231; Morton 17, 183; Orgeval 19, 77; Pedoe 17, 224; Pelíšek 18, 269; Piscador 17, 223; Roth 17, 31; Rozet 16, 371; 18, 168, 328; Schilling and Zariski 18, 271; Segre 17, 86, 325; 19, 79; 20, 59; Severi 16, 73; Terracini 19, 78; Todd 16, 40; Togliatti 20, 162; Turri 20, 161; du Val 18, 233; Vankerkom 19, 230; Villa 19, 138; Yoxall 20, 390.*

*Algebraische Kurven Ales 17, 278; Alexits 16, 414; Babbage 17, 30; Baker 17, 31; Bell 20, 389; Biggiero 16, 131; 17, 86; 18, 243; 20, 160; Billing 18, 54; Bompiani 20, 252; Brusotti 20, 61; Burkett 18, 167; Cattaneo 17, 86; Chanler 17, 30; Chisini 16, 72, 414; 17, 182; 20, 159; Cecioni 16, 322; Comessatti 16, 322; Conforto 20, 252; Defrise 20, 60; Dye 18, 167; Edge 16, 39; 18, 100; Enriques 18, 38; Ewing 20, 61; Feld 17, 182; Frith 16, 415; Gambier et Rowe 16, 130; Gherardelli 16, 370; 17, 323; 18, 270; 20, 253; Ghizzetti 16, 220; Gigli 20, 390; Grosheide 16, ●369; Haarbleicher 20, 160; Hilton 17, 277; Hollcroft 17, 128; Humbert 18, 421; Kapferer 20, 390; Kempner 16, 38; Krames 17, 223; Kubota 17, 278; Leimanis 17, 276; Lejeune 17, 372; 18, 166; 20, 61; Lorent 18, 231; Marletta 17, 223; Maroni 17, 183, 323; Milne 18, 269; Muhly and Zariski 20, 160; Müller u. Graf 16, 370; d'Orgeval 17, 374; Petrowsky 18, 270; Popa 18, 37; Ramamurti 18, 166, 269; Rangaswami*



17, 86; Roth 17, 277; Rozet 16, 322; Salini 17, 181, 182; Severi 18, 270; Srinivasiengar 17, 181, 372; Thalberg 16, 321; Thrall and Chanler 20, 61; Turpin 17, 182, 419; Turri 17, 419; Vakselj 18, 36; Valeiras 18, 231; Villa 16, 72; 17, 182; van der Waerden 17, 373; Wieleitner 20, ●389; Winger 17, 278; Wylie 16, 72.

**Birationale Transformationen und Korrespondenzen** Babbage 18, 169; Babbage and Todd 16, 74; Bath 19, 181; Baudet 18, 169; Beth 19, 323; Blanch 17, 279; Bydžovský 17, 374; Cassity 20, 393; Chisini 19, 368; Coble 17, 58; Conforto 19, 324; Defrise 19, 41, 137, 366; Derwidné 17, 375; 19, 80, 223; 20, 62; Dor 20, 62; Dufrane 17, 185; Edge 17, 184; 19, 229; Emch 19, 324; Facciotti 20, 63; Fano 20, 58; Feld 19, 325; Gentry 18, 271; Godeaux 20, 162; Golifman 20, 163; Gherardelli 19, 229; Gröbner 19, 325; Hodge 19, 182; Jung 20, 162; Keller 17, 375; Ladsous 20, 62; Lippert 18, 168; Narasinga Rao 16, 132; Pompilj 17, 224; 18, 328; Rozet 20, 163; 254; Saltykow 19, 408; Schmid 16, 179; Segre 20, 58; Semple 19, 41; Singier 19, ●229; Snyder and Carroll-Rusk 17, 279; 20, 393; Thalberg 19, 323; Todd 18, 233; 19, 230; Ursino 20, 254; Villa 19, 367; Weiss 19, 137; White 19, 182; Williams 18, 272.

*Algebraische Zahlen s. Körpertheorie, Ringe usw.*

*Algebren s. Körpertheorie, Ringe usw.*

*Allgemeine metrische Geometrie s. Mengentheoretische Geometrie, allgemeine metrische Geometrie.*

*Analysis, Grundlagen der s. Grundlagen der Analysis.*

**Analytische und projektive Geometrie** (s. a. *Algebraische Geometrie*; s. a. *Darstellende Geometrie*; s. a. *Elementargeometrie und Konstruktionen*; s. a. *Nichteuclidische Geometrie*; s. a. *Trigonometrie*) Abramescu 18, ●35; 19, 75; Adati 18, 371; Aiken 17, 128; Anand 16, 414; Andruetto 17, 51; Arrighi 17, 221; Auluck 17, 29; 18, 166; Baidaff 16, 271; 20, 52; Baker 16, 371; Banachiewicz 19, 39; Barbilian 20, 159; Baron 20, 251; Beck 18, 326; Berzolari 17, 84, 372; Berzolari, Vivanti e Gigli 18, ●267; Biggiogero 20, 52; Bompiani 17, 369; Bottema 18, ●370; 20, 388; Bouligand 16, 130; Brown 18, 166; Buscheguennec 17, 83; Buzano 17, 129; Cattaneo 20, 251; Cherubino 16, 179, 197; 18, 97; Chisini 17, 84; Chowla 17, 218; de Cicco 19, 76; Clemow 17, 322; Coxeter 16, 39; Dantoni 16, 71; Deaux 17, 127, 178; Dollon 16, 320; Durairajan 17, 180; Edge 17, 322; Fabricius-Bjerre 18, 268; Foà 16, 271; Frank 18, 417; Garnier 16, ●219; Ghernăescu 20, 317; Givens 16, 321; Godeaux 17, ●218; Goormaghtigh 17, 220; 18, 164; Guareschi 18, 164; Haantjes 17, 422; Haarbleicher 17, 127; Hackmüller 19, 137; Hollcroft 17, 221; Horninger 17, 82; Ionescu-Bujor 16, 414; Kasner 17, 276; Kempner 16, 38; Kollros 19, 321; Kommerell 16, 270; 17, 371; 18, 373; Krames 16, 130; 17, 220; Krishnaswami Ayyangar 16, 39; Lebesgue 18, 420; Leiner 18, 35; Lemaire 16, ●369; van Lier 18, 166; Little 16, 321; Markić 16, 369; 18, 164; Maurice 17, 371; Morley and Musselman 17, 275; Muggli 17, 82; Musselman 17, 180; Neville 16, 220; Ogino 17, 179; Pantazi 16, 130; Pompeiu 20, 387; Ramamurti and Srinivasiengar 18, 269; Rangachariar 19, 137; Rangaswami 17, 86; Rao 16, 414; Scheffers 20, ●12; Schilling 18, 372; Schmid 16, 179; Segre 18, 232; Sharma 16, 414; Srinivasiengar 17, 181; Strazzeri 20, 52; Tang 19, 321; Tummers 18, 372; 20, 388; Turri 18, 421; Turrière 17, 323; 18, 372; Tzitzéica 17, 223; Vakselj 18, 36; Viša 17, 180; Wasteels 16, 39; Watson 18, 420; Weiszfeld 17, 180; Witt 19, 251; Wolkowitsch 17, 221, 322; Wunderlich 16, 70.

**Geometrie im Komplexen** Brach 17, 128; Hjelmslev 16, 271; Hoborski 17, 419; Kruppa 17, 320; Strubecker 18, 165; Weiss 19, 322.

**Konfigurationen** Barrau 16, 71; Fabricius-Bjerre 16, 220; Frame 19, 366; Klee 19, ●135; Kowalewski 20, ●52; Melchior 17, 82; Morton 20, 56; Narasinga Rao 16, 132; 17, 417; 18, 166; 19, 75; Richmond 16, 178, 320; 18, 229; Room 16, 320; Takasu 18, 420; Warnock 17, 323; Wong 19, 366; van der Woude 18, 163; Yamashita 18, 420, 421; Zacharias 18, 163.

**Linien- und Kugelgeometrie** (s. a. *Differentialgeometrie, konforme Differentialgeometrie, Kreis- und Kugelgeometrie*; s. a. *Differentialgeometrie, Liniengeometrie*) Beck 16, 272; Beth 20, 251; Brach 17, 128; Carathéodory 17, 229; Chie 17, 180; Das Gupta and Chatterjee 20, 159; Gambier 17, 321; Garnier 16, 71, ●219; Graf 17, 85; Haenzel u. Reutter 18, 231; Inzinger 17, 89, 279; Jolles 18, 36; Jung 17, 128; Kasner an de Cicco 17, 128, 465; 18, 214; Klima 18, 232; Krames 16, 130; Marletta 20, 393; Musselman 16, 270; Nakae 19, 365; Narasinga Rao 19, 75; Richmond 16, 320; Saint Guilhem 17, 85; Sauer 16, ●218; Schröder 16, 219; Sen and Rangachariar 17, 221; Strubecker 17, 29; 18, 151, 165, 372; 19, 322; Tigano 17, 184; Turnbull 16, 289; Tzitzéica 17, 223; Weiss 16, 272, 320, 368; 17, 321, 371; 18, 85; Wylie 16, 72; 17, 419; Vincensini 20, 54; Vyčichlo 16, 75.

**Projektive Geometrie** (s. a. *Grundlagen der Geometrie, projektive Geometrie*) Arvesen 20, 389; Barbilian 18, 325; Baron 16, 367; Barrau 16, 71; Berzolari 17, 84, 372; Bompiani 20, 251, 252; Bottema 19, 77; Bouwkamp 20, 251; Bradshaw 17, 181; Brown 19, 323; Browne and Denson 17, 371; Carpenter 20, 252; Chand 17, 418; Chatterji and Das Gupta 17, 193; Clark 16, 270; Cohn-Vossen 17, 220; Deaux 20, 158, 251, 389; Dye 17, 372; Fog 16, 270, 17, 84; Franceschi 17, 30; Gambier 16, 71; 20, 158; Godeaux 18, 327; 19, 77; Grosheide 20, 57; Haarbleicher 18, 268; Halperin 20, 389; Jacobson 20, 159; Levi 20, 388; Libois 17, 181, 222; McCrea 19, 286; Mack 18, 371; Mordoukhay-Boltovskoy 19, 180; Morgantini 20, 52; Müller u. Graf 19, 231; Neville 20, 53; Patterson 17, ●370; Pimiä 19, 322; Ramamurti 19, 181;

Robinson 20, 53; Spyropoulos 18, 164; Srb 19, 76; Steck 19, 323; 20, 251; Todd 20, 158; Tolotti 19, 365; Turri 16, 219; 17, 322; Tzitzéica 18, 231; Veblen 18, 326; Venkataraman 20, 388; Venkataraman and Narasinga Rao 19, 136; Vyčichlo 20, 53; Wajnsztein 19, 365; Weiss 19, 76, 137; Weitzenböck 20, 389; Woude and Dronkers 19, 365.

*Analytische Zahlentheorie s. Zahlentheorie.*

*Antennen s. Elektrodynamik, elektromagnetische Schwingungen und Wellen.*

*Apparate s. Numerische und graphische Methoden.*

**Approximation von Funktionen** (*s. a. Asymptotische Entwicklungen; s. a. Interpolationen*) Achyesser 18, 13; 19, 13; Achyesser et Krein 16, 300; Baier 19, 13; Behnke u. Stein 20, 36; Bell 19, 62; Bergmann 20, 299; Bernstein 16, 207, 465; 18, 14; 19, 57; Camp 18, 308; Ciorănescu 19, 112; Dieudonné 18, 302; Favard 16, 58, 59; 17, 251; 20, 213; Frazer, Jones and Skan 19, 132; Frazer and Skan 19, 37; Gelfond 20, 299; Geronimus 16, 299; Jackson 16, 353; 18, 396; Kac 18, 207; 20, 212; Kowalewski 19, 58; Krein 19, 14; Leja 18, 117, 260; 19, 255; Marcinkiewicz 16, 19, 106; Marcinkiewicz and Zygmund 17, 251; Muzen 19, 404; Nikolesco 19, 255, 405; Ore 18, 395; Privaloff 17, 395; Rémès 17, 63; Risselman 18, 396; Schaeffer and Duffin 18, 395; Schnirelmann 19, 57; Sewell 17, 160; 18, 13; 19, 57, 111; Tchakaloff 20, 12; Walsh 17, 108; 19, 404; Wilson 20, 212; Wolf 18, 356.

**Konvergenz im Mittel** Erdős and Turán 16, 106; Feldheim 16, 396; Gaspar 19, 58; Gurewitsch 17, 108; Quade 17, 205; Sakurai 19, 15; Salem 20, 111.

**Polynom- und Orthogonalentwicklungen** (*s. a. Funktionentheorie, Potenzreihen und andere Reihenentwicklungen analytischer Funktionen; s. a. Polynome und algebraische Gleichungen, spezielle Polynomklassen; s. a. Spezielle Funktionen*) Aravyskaya 17, 410; Banerjee 20, 214; Bernstein 19, 405; Broggi 16, 217; Cannon 17, 253; Chlodovsky 16, 354; Chuang 17, 63; Curtiss 16, 19; Delange 18, 302; Farrell 19, 254; Feldheim 17, 347; 18, 207; 19, 255; Foà 17, 109; 20, 13; Gaspar 18, 118; Gnedenko 17, 253; Gottlieb 18, 252; Günther 17, 347; Gurewitsch 17, 108; Hahn 17, 206; Heuser 20, 213; Hille 18, 352; Hurt and Ford 17, 207; Jackson 17, 63; 19, 34, 255; Jacob 16, 398; 17, 11, 303; 18, 15; Kacmarz 16, 108; Kacmarz et Marcinkiewicz 18, 352; Kantorovič 16, 307; Keldych 16, 19; Keldych et Lavrentieff 17, 207; Kitagawa 19, 205, 255; Korn 19, 120; Koros 20, 215; Košljakov 16, 207; Koulik 16, 206, 354; Krall 16, 19; Krein 18, 208; Lavrentieff 17, 206; Lorentz 17, 395; M'Carthy 20, 115; Marcinkiewicz 17, 207; 19, 14, 405; 20, 298; Marcinkiewicz and Zygmund 16, 205; Mazurkiewicz 17, 204; Meixner 19, 342; Menchoff 17, 10, 18, 397; Merli 17, 162; Merriman 18, 252; Obrechhoff 17, 205; Orlicz 16, 108; 20, 298; Ottaviani 18, 14, 15; 20, 13; Peebles 20, 212; Quade 17, 205; Reijnierse 18, 207; Šaginjan 17, 10; Sakurai 18, 14, 118, 207; 19, 406; Sansone 17, 110; Satō 19, 343; Schmidt 17, 367; 18, 418; Ser 18, 118; Sewell 16, 107; 17, 348; 18, 252; 20, 214; Shabde 19, 57, 255; Shohat 19, 405; 20, 299; Sidon 16, 300; 18, 302; Szegő 20, 299; v. Sz. Nagy 17, 10, 161, 253; Voronovsky 16, 204; Walsh and Merriman 17, 160; Walsh and Sewell 17, 395; 20, 213; Watson 19, 406; Webster 20, 13; Zoukhovitzky 19, 254; Zygmund 16, 109.

**Quadraturformeln** (*s. a. Numerische und graphische Methoden, numerische Differentiation und Integration*) Akhiezer 18, 208; Bernstein 16, 159, 396; 17, 161; 19, 58; Brun 18, 302; Gallina 16, 206; Harrold, 16, 396; Kuzmin 19, 405; Mikeladze 18, 228; Shohat 18, 119; Walsh and Sewell 16, 299.

*Approximation von Zahlen s. Diophantische Approximationen; s. Transzendenzprobleme und Approximationen.*

**Astronomie** (*s. a. Astrophysik; s. a. Geschichte der Astronomie; s. a. Mechanik; s. a. Trigonometrie*) Boneff 20, 93; Gilardi 19, 288; Morgan 16, 45; Steinbrüchel 17, 137; Volta 20, 93.

**Astrophysik** Becker 20, 336, 426; Bradley 20, 425; Bruna 20, 287; Bucerius 19, 218; Chadenson 19, 287; Chandrasekhar 19, 384; Chapman 20, 424; Chatterjee 16, 187; Cowling 19, 383; Durand 18, 191; Eigenson 20, 286; Fabry 19, 287; Fessenkoff 19, 287; 20, 190, 425; Fürth, Sitte and Appel 20, 287; Glenn 19, 287; Greenstein 19, 383; Gyllenberg 17, 287; Hachenberg 20, 191; Jordan 19, 93; Jung 17, 335; v. Kalmár 18, 430; Klauder 18, 192; Kreiken 20, 426; Labocetta 19, 192; Lindblad 19, 191; Losseva 19, 92; Milkutat 20, 287; Milne 19, 90; Mimura and Iwatsuki 20, 191; Mineur 19, 96; Miyamoto 20, 427; Mohorovičić 18, 431; Moisseiev 19, 192; Nekrasowa 20, 430; Nölke 20, 190; Palmér 20, 191; Rakowiecki 20, 335; Rein 16, 381; Robb 16, 46; Robertson 16, 282; Rossier 16, 423; Schalen 20, 336; Schoenberg 18, 384; Struve 20, 426; Swings and Rosenfeld 17, 288; Walter 18, 431; 20, 335; Wellmann 17, 288; Woolley 19, 90.

**Kosmogonie** (*s. a. Relativitätstheorie*) Corlin 20, 192; Dirac 18, 288; Esclangon 18, 287; Gamow 20, 431; Gamow and Teller 20, 432; Hillebrand 19, 96; Jankowski 16, 88, 187, 381; 18, 187; 19, 144; Levi-Civita 16, 88; Lönnqvist 20, 190; Lorenz 16, 88; 18, 96; Luyten and Hill 17, 334; Lyttleton 19, 93; Mineur 18, 384; 20, 287; Nernst 17, 142; Schoenberg 17, 288; Sevin 20, 432; Vescan 19, 189; Whipple 20, 432.

**Nebel** Atkinson 16, 46; Baker 20, 96; Baker and Menzel 20, 95; Banerji 20, 95; Boneff 16, 187; Bucerius 19, 288; Chandrasekhar 18, 432; Coutrez 19, 191; Fricke 16, 427; 19, 92; Futterer 19, 191; Greenstein 16, 426; Hagihara 19, 95; Henyey 19, 287; 20, 96; Hubble



16, 187; Jahn 18, 48; Kreiken 17, 96; Lambrecht 20, 336; v. Laue 17, 144; Lindblad 18, 48, 192; Lorenz 16, 426; McVittie 16, 335; Machiels 18, 287; Menzel 16, 427; 20, 96; Menzel and Baker 17, 48; Mocknatsh 16, 92; Mukerji 18, 48; Robertson 18, 191; Sambursky 17, 144; Sen 18, 286; Shapley 20, 429; Siedentopf 17, 240; Struve 16, 334; Vogt 18, 191; 20, 428; Zwicky 17, 288.

**Sonne** Baumbach 20, 94; Biermann 17, 431; Ferraro 16, 331; Kiepenheuer 17, 431; Milkutat 19, 93; Roach 20, 190; Stewart and Panofsky 19, 380; Unsöld 18, ●284; 20, 93; Vescan 19, 189.

**Spektroskopie** Ambarzumian und Vashakidse 18, 191; Barbier 16, 332; 19, 381; Beutler 20, 427; Biermann u. Hachenberg 20, 428; Bowen and Edlén 20, 287; Carroll 17, 48; Evans 20, 94; Foster and Douglas 20, 288; Frank and Rieke 20, 427; Grottrian 20, 428; Jensen 19, 93; Minkowski 20, 428; Page 19, 93; 20, 427; Strömgren 17, 47; Struve, Wurm and Henyey 20; 191; Unsöld 20, 93; Wellmann 20, 427; Wurm 20, 428.

**Stellarstatistik** Ambarzumian 17, 335; 18, 287; Barnes 16, 334; Brill 17, 432; 20, 429; Clark 16, 187; Dufay et Smoukovich 20, 420; Edmondson 16, 426; Fleming 16, 187; Fricke 18, 430; Gyllenberg 17, 96; Jehle 18, 287; Joy 20, 430; Kreiken 17, 96; Lall 20, 430; Lindblad 16, 46; 17, 240; Lorenz 16, 426; McVittie 16, 335; 17, 335, 336; 18, 384, 430; Mineur 16, 46, 334; 18, 48; 20, 429; Ogrodnikoff 19, 96; Pahlen 18, ●384; Parenago 17, 48; Pışmiş 20, 192; Robb 16, 46; Shapley 20, 429; Smart and Chandrasekhar 19, 192; Zagar 16, 335.

**Stellarstruktur** Ambarzumian 16, 92; Ambarzumian und Vashakidse 18, 191; Anderson 17, 334; Beileke 16, 424; Berghund 16, 46; Bethe 20, 431; Biermann 16, 425; 18, 189, 431; 19, 381; Bohrmann 17, 144; Bucerius 18, 363; 20, 94; Carroll 17, 48; Chandrasekhar 16, 91, 424; 17, 48, 239, 334; 19, 94; Cowling 19, 94; Critchfield and Gamow 20, 431; Eddington 20, 94; Evans 20, 94; Fujita 18, 189; 19, 94; Gamow 18, 285; 19, 381; Gaposchkin 20, 191; Gleissberg 17, 287; 18, 190; 19, 93, 94, 381; 20, 288; Gratton 17, 143; Hagihara 19, 95; Keenan 18, 384; Kopal 16, 332; 17, 143; 18, 285; 19, 95; 20, 95, 288, 430; Kothari 17, 239; Kothari and Singh 18, 188; Krat 17, 240; Krause 18, 432; Krook 18, 190; Kurihara 20, 94; Landau 18, 188; Ledoux 16, 425; McCrea 18, 47; Meurers 20, ●431; Milne 18, 46; Mineur 17, 432; Mustel 16, 333; 18, 47; Pekeris 19, 288; Rosseland 16, 332; Rosseland and Randers 18, 286; Rossier 17, 432; Russell 16, 47, 91; 18, 188; Schwarzschild 16, 185; 18, 383; 19, 381; Sen 17, 240; 19, 191; 20, 431; Severny 16, 334; 17, 287; 18, 47, 191; 19, 93; Sevin 16, 47; 17, 334; 18, 432; Sommerfeld 18, 383; Spitzer 18, 188; Sterne 18, 46; Strömgren 17, 239; Swings and Dor 19, 381; Swings et Ledoux 18, 284; Takeda 17, 144; Tiercy 19, 190; Tiercy et Javet 17, 432; Tuominen 18, 190; Unsöld 18, ●284; Vogt 16, 333; 17, 432; Walker 17, 287; Walter 18, 431; v. Weizsäcker 16, 186; 19, 190; Wellmann 17, 432; Wildt 16, 187; 19, 189; Wurm 17, 335.

**Asymptotische Entwicklungen** (s. a. *Approximation von Funktionen*; s. a. *Verteilungsfunktionen, Momentenproblem*) Airey 17, 256; Bell 17, 65; Carleman 17, 114; Ermolajev 17, 67; Ford 16, ●124; Hlawka 17, 208; Hukuhara 19, 165; Kienast 18, 355; Koksma 17, 15; Noether 17, 263; Racah 17, 306; Schmidt 16, 208; Vignaux 19, 303.

**Atomtheorie** s. *Quantentheorie, Atome*.

**Ausgleichsrechnung** s. *Wahrscheinlichkeitsrechnung, Fehlerrechnung, Ausgleichung*.

**Automorphe Funktionen** s. *Elliptische Funktionen und Verwandtes*.

**Axiomatik** s. *Grundlagen der Analysis*; s. *Grundlagen der Geometrie*; s. *Logik*; s. *Mengenlehre, Grundlagen*.

**Bahnbestimmung** s. *Mechanik, Bahnbestimmung*.

**Bernoullische Polynome** s. *Polynome und algebraische Gleichungen, spezielle Polynomklassen*.

**Berührungstransformationen** (s. a. *Differentialgleichungen, partielle*; s. a. *Gruppentheorie, kontinuierliche Gruppen*) Beck 16, 272; Craig 17, 378; Garnier 16, 71; 19, 136; Inzinger 17, 89; Kasner and de Cicco 17, 128, 465; 18, 214; Knebelman 19, 138; Lee 17, 425; Lewis 19, 65; Lie 17, ●180; Neumer 18, 358; 20, 22; Reutter 19, 40; Robbins 16, 402; Saltykow 16, 212; 17, 113; Shouten 16, 327, 418; Vessiot 17, 113; Weiss 16, 272; 17, 371.

**Besselsche und Zylinderfunktionen** s. *Spezielle Funktionen, Besselsche und Zylinderfunktionen*.

**Boolesche Algebren** s. *Körpertheorie, Ringe usw., allgemeine Idealtheorie, Boolesche Algebren*.

**Darstellende Geometrie** (s. a. *Analytische und projektive Geometrie*; s. a. *Elementargeometrie und Konstruktionen*; s. a. *Mechanik, Kinematik*) Arvesen 19, 362; Daus 18, 420; Eckhart 16, 220; 17, 81, 180; Emch 16, 178; Fröhlich 18, 230; Graf 16, ●129; 19, 275; Horninger 17, 82; Inzinger 19, 43; Kruppa 17, 320; Muggli 17, 82; Neder 16, 39; Prager 16, ●178; Pühringer 20, 385; Roever 18, 372; Rinner 16, 178; Rössler 17, 320; 20, 157; Rozet 18, 164; Scheffers 19, 361; Schröder 16, 219; Sisam 16, 178; Staebble 17, 219; Stiefel 18, 326; Wunderlich 18, 230.

**Darstellungstheorie** s. *Gruppentheorie, Darstellungstheorie*; s. *Körpertheorie, Ringe usw., hyperkomplexe Systeme*.

**Determinanten** s. *Lineare Algebra, Matrizen und Determinanten*.

**Differentialgeometrie** (s. a. *Geometrie der Massen*; s. a. *Integralgeometrie, geometrische Wahrscheinlichkeiten*; s. a. *Konvexe Körper und Verwandtes*; s. a. *Mengentheoretische Geometrie*) Ahlfors

- 17, 36; 18, 410; Aimond 17, 376; Behari 19, 276; 20, 394; Bilimovitch 20, 63; Blanc 19, 184; Blaschke 19, ● 364, 365; 20, 256; Boggio 16, 134; 18, 234; Bompiani 19, 85; 20, 63; Calapso 20, 65, 396; Câmpan 19, 80; Cartan 18, 272, ● 298; 20, 65; Cassina 17, 186; Cimmino 18, 41; Coburn 20, 396; Cotton 18, 373; Davies 19, 327; Demoulin 20, 64; Dingel 18, 39; Facciotti 18, 86; Fialkow 17, 422; Fischer 18, 307; 19, 276; Foster 16, 373; Garwick 20, 394; Godeaux 19, 83; Goormaghtigh 20, 163; Goreux 20, 396; Green 19, 84; Haantjes 17, 422; Haimovici 17, 226; 19, 139; Harmegnies 17, 186; Hatzidakis 20, 394; Hlavatý 17, ● 225; Hoborski 20, 393; Kalicun-Chodowicki 20, 394; van Kampen 18, 86; Kasner and de Cicco 20, 163; Kubota 19, 83; Levi-Civita 16, 275; 18, 87, 373; Lewy 18, 174; Long 16, 416; Maeda 16, 415, 416; Martinotti 20, ● 241; Masloff 18, 374; Matsumura 16, 417; de Mira Fernandes 17, 88; Mitrinovitch 16, 42, 134; 19, 369, 370; Motzkin 19, 38; Mühlendyck 19, 362; Myller 18, 170; Palatini 16, 274; Pini 18, 171; Popa 18, 272; Rasmussen 19, 369; Rellich 18, 39; Saether 20, 64; Sauer 16, 415; Schapiro 17, 422; Schatz 19, 232; Schelling 18, 39; 19, 183; Schilt 18, 169; Schmidt 20, 373; Schouten u. Struik 19, ● 183; Segre 17, 328; 19, 184; Silberstein 18, 335; Strubecker 20, 66, 394; Takasu 16, 415; Thomas 17, 423; Tompkins 20, 397; Tonolo 20, 255; Touganoff 20, 64; Tzénoff 18, 39; Vakselj 19, 369; Vincensini 20, 65; Vranceanu 17, 351; Weatherburn 16, 372; 17, 131; Wirtinger 19, 182; Wundheiler 17, 188; Yü 20, 163.
- Affine Differentialgeometrie** Bagchi 19, 363; Blaschke 19, 233; Choudhury 20, 256; Ehresmann 19, 233; Maeda 20, 68; 69; Maxia 20, 398; Mayer 18, 40; Ohkubo 19, 87; Potier 19, 185, 234; Sasaki 16, 223; 18, 170; Schroeter 16, 326; Slebodzinski 16, 275, 373; Süß 16, 373; 17, 227; Weise 18, 87; 19, 185.
- Differentialgeometrie im Großen** (s. a. *Topologie, Mannigfaltigkeiten und ihre stetigen Abbildungen*) Alexandroff 20, 261; Allendoerfer 16, 418; Bochner 17, 89; Cohn-Vossen 16, 225; Hedlund 20, 403; Lewy 18, 88; Mayer and Thomas 18, 237; Miranda 20, 261; Palatini 16, 274; Pietsch 19, 370; Samelson 18, 38; Su 17, 34; Varela Gil 20, 261.
- Differentialgeometrie in abstrakten Räumen** (s. a. *Funktionalanalysis*) Blumenthal 19, 277; Bortolotti 17, 361; Haimovici 20, 72; Hombu 19, 276; 20, 399; Kawaguchi 17, 229; 19, 276, 278, 328; Kerner 17, 22; Michal 17, 22, 361; Michal and Hyers 18, 367; 20, 369; Monna 18, 423; 19, 371; Rosca 20, 260; Vranceanu 19, 277.
- Geodätische Linien** (s. a. *Mechanik, Verlauf der Bahnkurven, Stabilitätsprobleme, Ergodenhypothese*) Guigue 16, 274; Hristow 19, 80; Möhle 18, 87; Pietsch 19, 370; Thomas 19, 42; Tuller 18, 273; Tzénoff 18, 40.
- Geometrie der Variationsprobleme, Finslersche Räume** Cairns 19, 45; Calugaréano 20, 395; Cartan 17, 377; Duschek 17, 172; Finikoff 20, 256; Haimovici 16, 78; 18, 172; Hokari 16, 78, 419; Hombu 16, 78; 17, 187, 188; Householder 18, 138; Kagan 17, 328; Kawaguchi 16, 419; 17, 229; Kosambi 19, 45; Mitrinovitch 20, 395; Myers 19, 276; Nazim 17, 377; Ohkubo 16, 277; Salini 20, 256; Varga 17, 132; Wagner 19, 277; Wegener 17, 132.
- Kinematik** (s. a. *Mechanik, Kinematik*) Blaschke 19, ● 364, 365; Garnier 19, 136; Kasner and de Cicco 20, 399.
- Konforme Differentialgeometrie, Kreis- und Kugelgeometrie** (s. a. *Analytische und projektive Geometrie, Linien- und Kugelgeometrie*) Adad 18, 87; Anghelutza 16, 275; 18, 85; Beckenbach 19, 67; Comenetz 18, 236; 19, 369; Finikoff 18, 171; Graf 17, 85; Hlavatý 19, 45; Kasner 16, 367; 18, 41, 236; 19, 80; Kasner and de Cicco 19, 278; Lagrange 17, 34; Matsumura 17, 35; Narasinga Rao 19, 326, 327; Sasaki 20, 260; Takasu 17, 36; 18, 86, 422; 19, ● 44; 20, 72, 165; Vincensini 18, 40, 88, 171; Yoda 18, 422.
- Kurven** Andruetto 17, 32; Beke 20, 64; Bell 16, 180; Bompiani 16, 75; Boos 16, 375; Bose 16, 415; 17, 188; Carrus 16, 274; 18, 373; Gericke 16, 228; Ghosh 19, 371; Goormaghtigh 17, 186, 325; 18, 373; 20, 63; Graustein and Jackson 17, 327; Hirakawa 16, 273; Hofmann 18, 39; Inzinger 18, 378; Ionescu-Bujor 16, 273; Kaminsky 19, 82; Kanitani 18, 170; Kowalewski 19, 232; Kulk u. Kok 20, 64; Lane and Mac Queen 19, 82; Maeda 16, 415; de Misès 18, 373; Musselman 20, 64; Pirková-Kofránková 16, 42; Popa 16, 373; 17, 130; Radon 16, 122; Rangachariar 16, 372; Rössler 20, 157; Rothe 16, 223; Sasaki 16, 223; 18, 170; Sbrana 19, 139; Su 17, 34; Takasu 17, 36; Tsuboko 16, 180; 17, 325; Vanek 17, 326; Weatherburn 16, 180; Wittig 19, 326; Wunderlich 19, 39.
- Kurvennetze in der Ebene und auf Flächen** Alt 19, 326; Boggio 16, 134; Dubnov 17, 228; Dubnov et Efimov 17, 88, 187; Efimov 18, 374; Finikoff 18, 40; Gambier 20, 224; Graf u. Sauer 19, 184; Grehn 17, 421; Guigue 16, 274; Haimovici 17, 226; Jonas 17, 187; Lusin 19, 81; Mayer 18, 40; Oraw 17, 33; 18, 39; Pantazi 17, 131; 18, 171; Robinson 16, 134; Rozet 16, 372; Sabiroff 19, 235; Salini 17, 88; Schapiro 17, 722; Schmid 16, 179; 19, 234; Stauber 16, 225; Thomas 19, 42; Vincensini 19, 370; Wagner 20, 397.
- Liniengeometrie** (s. a. *Analytische und projektive Geometrie, Linien- und Kugelgeometrie*) Anglade 16, 326; Bachvaloff 16, 416; 20, 165; Behari 19, 276; Calapso 17, 88, 421; Decuyper 17, 131; Finikoff 16, 76; 18, 40; Haack 17, 226; Hamid 18, 375; Hatzidakis 20, 68; Hilton 20, 165; Jonas 16, 181; 17, 88; 19, 83; Knothe 16, 181; 19, 87; Maeda 16, 415, 416; Mayer 16, 416; Pérès 17, 376; Pylarinos 19, 83; Reutter 19, 40; Rossinski 18, 235; 19, 83; 139, 140, 20, 67, 166; Sauer 16, ● 218; Schneidt 16, 181; Segre 16, 136; Strubecker 20, 400; Su 17, 227;



- Synge 20, 165; Takeda 18, 422; 20, 68; Tsuboko 19, 83; Tzénoff 18, 40; Tzitzéica 17, 88; Urban 18, 375; Vincensini 17, 279; Vyčichlo 16, 75; Zito 17, 421.
- Minimalflächen** Beckenbach 18, 221; 19, 350; Botto 17, 33; Caccioppoli 16, 361; Calugaréano 20, 395; Courant 17, 268; 18, 221; Douglas 19, 268, 269; Hahn and Beckenbach 16, 42; Shiffman 19, 124; Stüss 16, 373; 17, 227; Tonelli 16, 264; 17, 172, 266.
- Projektive Differentialgeometrie** Abramescu 20, 395; Anglade 16, 326; Arghiriade 19, 43; Bell 19, 233; Blaschke 16, 275; Bogdan 18, 375; Bompiani 16, 75, 275; 17, 111, 280; 19, 42, 85; 20, 165, 258, 259; Bompiani e Bortolotti 16, 74; Bortolotti 16, 276; 20, 70, 397; Buzano 20, 71; Calapso 17, 88; Cartan 16, ●76; Decuyper 17, 326; Finikoff 16, 76; 17, 227, ●421; 20, 257; Fubini 16, 417; Gheorghiu 20, 395; Godeau 16, 134; Godeaux 17, 34, 89; 18, 374; Golifman 20, 69; Gore 18, 170; Grove 20, 257; Hazebroek 18, 272; Hlavatý 20, 71; Kanitani 17, 326; 18, 170; 19, 84; 20, 69; Kimpára 18, 88; 20, 396; Lane and MacQueen 19, 82; MacQueen 17, 226; 19, 82; Marcus 19, 43; Mayer 20, 69; Mihailescu 20, 395; Norden 17, 227; Pantazi 18, 374; 20, 257; Picasso 20, 70; Popa 16, 76, 373; 18, 235; 19, 84, 279; Salini 18, 374; Sasaki 16, 223; 18, 170; Satô 20, 69; Su 17, 34, 227; Takeda 18, 422; Terracini 16, 75; Tsuboko 16, 180; 20, 396; Tzitzéica 19, 328; Villa 17, 224; 20, 258; Vyčichlo 20, 70; Weyl 20, 71.
- Relative Differentialgeometrie** (s. a. *Konvexe Körper und Verwandtes*) Bohnenblust 19, 141; Hatzidakis 16, 180; Hirakawa 16, 273; 18, 41; 19, 82; Kasner 20, 257; Kubota 18, 422; Norden 17, 227; Süß 17, 227.
- Riemannsche Geometrie** (s. a. *Relativitätstheorie*) Allendoerfer 16, 226, 418; Barbilian 19, 39; Bochner 17, 89; 18, 273; Brauner 19, 185; Brown 17, 280; Burstín 17, 377; Coburn 19, 234; Davies 17, 377; Eisenhart 18, 88; 19, 186; Fabricius-Bjerre 19, 85; Fialkow 17, 422; 18, 236, 423; 20, 66; Hoborski 17, 377; Kaplan 16, 276; Levine 16, 373; 18, 237; 20, 260; Modesitt 18, 423; Moisil 19, 347; Nalli 20, 260; Pauc 17, 89; Peters 17, 422; Potier 19, 234; Rosemann 19, 378; Rosenson 16, 418; Schirokow 19, 44; Seetharaman 17, 282; Sen 16, 134; Sun 18, 171; Thomas 19, 279; Tschech 16, 276; Weatherburn 18, ●375; Zaremba 18, 85.
- Spezielle Flächen** Athen 16, 224; Behari 17, 33, 226, 421; Calapso 20, 255, 256; Carrus 16, 274; Dubnow 17, 228; Gambier 16, 417; Gheorghiu 20, 65; Godeau 16, 134, 326; 17, 186; Godeau et Mitrinovitich 17, 186; Guigue 16, 42; Knoll 20, 164; Krames 16, 367, 368; 17, 82, 370; Lane and MacQueen 19, 43; Lense 20, 164; Lie 17, 180; Long 16, 416; Mitrinovitich 16, 417; 17, 186, 376; 18, 86; Myller 19, 370; 20, 65; Salkowski 17, 33; Schilling, Ernst und Freyberg 17, 279; Steuerwald 16, 224; Sullivan 18, 65; Terracini 17, 226, 326; 19, 78; Tschebotarow 17, 186; Tsuboko 18, 272; Wilson 16, 180; Žitomirski 19, 139.
- Tensorkalkül** (s. a. *Invariantentheorie*; s. a. *Relativitätstheorie*; s. a. *Vektorrechnung*) Akeley 16, 4; Cartan 19, ●363; Craig 17, 378; Eisenhart 19, 186; Finzi 16, 232; Givens 16, 321; Hlavatý 18, 423; Kawaguchi 20, 73; Lee 19, 233; de Mira Fernandes 16, 374; Mutô et Yano 16, 328; Nadile 20, 73; Narlikar 19, 234; Pastori 16, 232; Prager 20, 73; Proca 17, 194; Rimini 19, 41; Robinson 17, 228; Rosenson 16, 418; Schouten 20, 73; Synge 17, 41; Weitzenböck 16, 241; Whittaker 16, 79; Yosida 19, 290.
- Topologische Fragen, Textilgeometrie** Aue 19, 279; Blaschke 17, 228; 19, 235; Blaschke und Bol 20, ●67; Bol 16, 226; 18, 425; Buzano 20, 259; Ciannopoulos 18, 42; Dibbert 16, 375; Lipka 20, 400; Pantazi 20, 67; Sauer 20, 401; Terracini 20, 259; Wunderlich 20, 400.
- Übertragungen, allgemeine** (s. a. *Relativitätstheorie*) Bompiani 18, 274; Bortolotti 16, 77; 20, 72; Bortolotti e Hlavatý 16, 135; Cartan 16, ●76; 17, 423; 18, 402; Chern 17, 228; 18, 236; Craig 17, 378; Dienes and Davies 16, 226; Fuchs 18, 23; Golab 17, 424; 18, 375, 376; Haantjes 17, 89; Haimovici 18, 238; Haimovici e Levi-Civita 17, 36; Hlavatý 16, 326; 17, 187; 18, 237; 19, 45; Hokari 18, 239; Hombu 19, 279; Hosokawa 17, 237; Iwatsuki, Mimura and Morinaga 17, 238; Kawaguchi 17, 131, 229; Kawaguchi und Hombu 17, 425; Kiltchewsky 18, 273; Lee 17, 425; Lopschitz 17, 380; Mayer and Thomas 18, 237; Michal 16, 215; Michal and Hyers 17, 425; Mimura 17, 237; Mimura and Hosokawa 17, 238; Mimura and Iwatsuki 17, 238; Modesitt 18, 423; Monna 20, 369; Morinaga 17, 170, 237, 238; Morinaga and Sibata 17, 237; Mutô 19, 86; Mutô et Yano 18, 376; Norden 17, 227; Ohkubo 16, 277; 18, 238, 376; Pauc 16, 276; 17, 89; 18, 274; 19, 86; Picasso 16, 135; Potier 19, 185; Rachevsky 17, 424; Ruse 16, 181; Sasaki 18, 172; Schouten 16, 327, 418; 19, 86; Schouten and Haantjes 16, 135; Schouten and Struik 19, 183; Seetharaman 16, 42, 276; Segre 16, 136; Sibata 17, 238; Ślebodziński 16, 275; 20, 398; Sun 17, 131; Takeno 17, 236; Thomas 16, 327; Traber 17, 36; Vyčichlo 17, 424; Wagner 20, 397; Weise 19, 185; Wundheiler 17, 188; Yano 16, 419; 17, 280, 333; 18, 89, 238, 376; 19, 85, 140.
- Verbiegbarkeitsfragen** Aimond 17, 376; Behari 19, 139; Blaschke 18, 234; Blaschke und Herglotz 18, 235; Brauner 19, 232; Cohn-Vossen 16, 225; Decuyper 17, 131; Finikoff 18, ●40; Hopf und Samelson 18, 234; Hopf und Schilt 19, 280; Inzinger 19, 43; Jonas 16, 181; 17, 88; Kourensky 19, 232; Lukechin 17, 421; 18, 170; 19, 81; 20, 164; Myller 17, 88; Nannini 16, 225; Rembs 16, 417; Schilt 18, 169; Schroeder 16, 180.
- Differentialgleichungen** (s. a. *Invariantentheorie, Differential- und Integralinvarianten*; s. a. *Operatorenkalkül*; s. a. *Potentialtheorie*; s. a. *Spezielle Funktionen*).

**Differentialgleichungen, gewöhnliche** (s. a. *Numerische und graphische Methoden, numerische und graphische Behandlung von Differential- und Integralgleichungen*) Appel 19, ●402; Arrighi 16, 59; Ascoli 16, 112; Banerji and Bhatnagar 19, 304; Bernstein 19, 166; Birkhoff 16, 61; Boos 20, 124; Bünnemann 20, 248; Camp 18, 308; Cartan 18, 402; Cartovitch 18, 256; Chern 16, 164; Cinquini 20, 122; Conte 19, 346; Dehouse 20, 222; Drach 17, 307; Eger-vary 20, 27; Erdélyi 19, 26; 20, 301; Euler 19, ●345; Fayet 18, 307; 20, 22; Gelfand 20, 358; Germay 19, 65; 20, 124, 125; Ghizzetti 20, 303; Gonzales 20, 119; Gordlik 20, 27; Groppi 19, 258; Guigue 19, 115; Hamilton 20, 120; Hoheisel 20, ●22; Hombu 19, 279; Hort 20, ●361; Hukuhara 19, 165; Jaeger 20, 126; Kamke 19, 259; 20, 122, 358; Kasner and de Cicco 17, 128, 465; 18, 214; Kitagawa 19, 214; Knies 19, 23; Kourensky 17, 351; Lagrange 20, 119; Lahaye 18, 215; Lee 18, 307; Leimanis 16, 24; Levi-Civita 18, 21; Lijn 19, 23; Lusternik 18, 214; 19, 259; MacDonald 20, 223; Mitrinovitch 16, 111, 134, 210, 358; 17, 165, 307, 376; 18, 214; 19, 166; 20, 119; Moisseiev 18, 406; 19, 23; Mordoukhay-Boltovskoy 18, 402; Muggli 19, 346; Neumer 16, 164, 255; 18, 358; 20, 22; Palamà 20, 222; Pedrazzini 19, 407; Pendse 16, 238; Petrovitch 16, 112, 163; 17, 164, 425; 20, 210; Péyovitch 17, 165; 20, 358; Piaggio 20, 124; Pierce 19, 258; Pipes 19, 215; Pompeiu 20, 120; Popovici 20, 23; Reutter 19, 40; Ritt 19, 116; Sakurai 20, 223; Saltykōw 17, 113; Schönberg 18, 23; Scorza Dragoni 19, 345; 20, 223; Seetharaman 20, 301; Shin 19, 63, 214; Sispánov 19, 407; Smith 18, 128; Svartholm 20, 121; Taylor 16, 212; Tonelli 20, 123; Toyoda 17, 209; Trjitzluský 17, 309; 20, ●123; Urban 19, 119; Vessiot 20, 302; Weinberg 20, 127; Zech 19, 213; Ziegler 19, 115.

**Algebraische Differentialgleichungen, formale Theorie** Cartan 20, 23; Drach 16, 401; Gröbner 18, 308; Kostizin 20, 223; Petrovitch 19, 407; 20, 24, 123, 234; Ritt 18, 308; 19, 116; 20, 24, 358; Stammhammer 18, 21; Strodt 20, 359; Thomas 16, ●304.

**Differentialgleichungen im Komplexen** Chen 16, 358; Cherubino 17, 209; Diatchenko 19, 166; Erdélyi 18, 308; Erugin 18, 256; Ford 16, 124; Franceschi 17, 111; Hurd 19, 167; Kotchine 18, 124; Lappo-Danilevskij 17, 209; Lebrun 17, 165; Mordoukhay-Boltovskoy 17, 111; Pierce 18, 214; Robinson 17, 165; 18, 403; Schmidt 19, 64; Simonart 19, 15; Trjitzinský 17, 309; Watson 18, 123.

**Lineare Differentialgleichungen** Blaum 19, 133; Bompiani 17, 111; Bradfield 20, 226; Butlewski 18, 22; Cameron 18, 211; Carson and Fry 17, 355; Chaundy and Launchbury 17, 259; Cherubino 19, 223; Chiellini 18, 401, 402; 20, 222; Churchill 17, 358; Cimmino 20, 357; Collatz 16, 254; 17, 308; Constantinesco 20, 122; Conte 19, 345; Coulthard 20, 357; Cramlet 18, 402; Diatchenko et Bréous 18, 407; Dieulefait 19, 13; Efimenko 20, 126; Erdélyi 17, 65; Erouguine 18, 256; 19, 258; Fayet 16, 23; Fisher 17, 66; Germay 20, 125; Gammell 20, 225; Grassi 17, 111; Graves 17, 166; Gröbner 18, 308; Hebroni 19, 63; 20, 23; Hoborski 17, 419; Horn 19, 305; Hostinský 17, 111; Hukuhara 16, 305; Hurd 19, 167; Jelchin 19, 304; Kakeya 19, 165; Karas 17, 262; Krein 16, 23; 18, 208, 257; Lang 18, 256; Langer 17, 307; Lappo-Danilevsky 17, 209; Leemans 19, 63; Lemaitre et Godart 18, 151; Lewitan 18, 59; Luster-nik 17, 170; McEwen 16, 255; 18, 308; Malurkar 17, 208; Malzev 16, 305; Mambriani 18, 256; 19, 258; 20, 121; Mayr 18, 351; Melikov 16, 233; Montaldo 20, 123; Neumer 16, 255; Newing 17, 167; Péyovitch 16, 111; Piaggio 18, 308; Piesch 16, 358; Pipes 17, 368; 18, 309; Reid 20, 33; Risselman 20, 124; Sakurai 16, 211; Sansone 16, 112; Schaefer 18, 22; Segeescu 18, 123; Sheffer 18, 136; Siddiqi 17, 111; Stenij 20, 226; Tonelli 16, 112; Zwirner 18, 22.

**Verlauf der Lösungen, Existenz- und Eindeutigkeitsfragen** (s. a. *Mechanik, Verlauf der Bahnkurven, Stabilitätsprobleme, Ergodenhypothese*) Adamoff 18, 400; Andronov et Pontrjagin 16, 113; Artemieff 19, 115; Ascoli 16, 112; Aumann 20, 222; Basu, Bose and Vijayaraghavan 17, 250; Bautin 18, 400; Bielecki et Zaremba 18, 123; Bouligand 17, ●207; Bünnemann 20, 226; Charpentier 18, 305; Cherry 17, 351; 19, 115; Cinquini 19, 116; Dehouse 20, 121; Dulac 16, 400; Einaudi 18, 64; Fisher 18, 307; Forster 17, 258; Gentile 18, 307; Haag 18, 401; Hadamard 18, 306; Hartree 18, 127; Hlawka 17, 208; Horn 19, 305; Hukuhara 16, 305; 17, 15; Iglisch 16, 163; 18, 22; Kakeya 19, 165; Kamenkoff 17, 111; van Kampen and Wintner 16, 358; 17, 465; Koksma 17, 15; Koukles et Piskounov 18, 64; Kuzmin 17, 112; Lauritzen 16, 163; 17, 465; Leau 19, 64; Leimanis 16, 24; Leontovič et Mayer 16, 113; Lonn 19, 257; Lubin 17, 208; Malkin 17, 112; Marchand 19, 305; von Mises 20, 120; Moisseiev 16, 235; 19, 345; Morant 17, 208; Nagumo 17, 308; Persidskij 16, 254; Péyovitch 16, 111; Pierce 20, 121; Pitcher and Sewell 18, 307; 19, 408; Sansone 16, 112; Satō 16, 400; 19, 166; Wazewski 18, 306; Wazewski et Zaremba 17, 399; Weil 16, 86; Wintner 18, 95; Zaremba 16, 254; 17, 398; 19, 214; Zwirner 17, 165.

**Differentialgleichungen, partielle** (s. a. *numerische und graphische Methoden, numerische und graphische Behandlung von Differential- und Integralgleichungen*) Alexandrov 19, 81; Appell 19, ●402; Barile 20, 303; Bergmann 16, 408; 18, 262; 20, 299; Boggio 18, 65; Bolt 20, 226; Bompiani 20, 259; Bourgin 20, 362; Brillouin 16, 359; Cabrera 20, 26; Chaundy 18, 23; Cibrario 19, 258; Ciorănescu 19, 409; 20, 302; Courant and Hilbert 17, ●397; Cramlet 18, 359; Delsarte 18, 403; Ertel 18, 311; Fantappiè 17, 210; Frola 19, 347; Fuchs and Weiss 19, 353; Gambier 20, 224; Gellerstedt 16, 212; 17, 352; Germay 16, 25, 114; 20, 360, 361;



Ghermanescu 19, 261; Ghika 19, 260; 20, 125; Giambelli 18, 23; Gran Olsson 20, 227; Greco 18, 24; Gröbner 20, 128; Guigue 20, 127; Gunther 16, 165; Herrmann 16, 164; Herzberger 19, 353; Hort 20, 361; Humbert 18, 25; Inzinger 17, 279; Jaeckel 17, 114; Janet 18, 403; Jardetzky 19, 363; Kantorowitsch und Krylow 16, 305; Kourensky 19, 232; Leau 19, 63; Leray et Robin 17, 117; Levi 16, 25; 18, 359; Lewis 18, 406; Levy 18, 174; 19, 116; Lowan 20, 303; Lusin 19, 66; Maa 20, 225; Mangeron 16, 25, 212; 18, 151; 20, 302; Matesco 18, 361; Mercier 16, 165; Mindlin 20, 230; de Mira Fernandes 20, 25; Miranda 20, 27; Mitrinovitch 16, 42; Moisl 19, 347; Pedrini 18, 257; Petiau 18, 362; Petrescu 18, 23; Piaggio 19, 408; Picone 18, 257; 20, 127, 360; Pipes 19, 306; Piskounov 16, 114; 19, 168, 409; Popovici 20, 127; Reulos 20, 128; Riemann 19, 260; Sakurai 16, 165; Saltykow 16, 212; 18, 23; Schaeffer 18, 129; Segre 19, 66; Sen and Kumar 19, 217; Siddiqi 19, 117; Sjöstrand 17, 260; Smith 18, 128; Solonoutz 20, 363; Somigliana 19, 308; Sullivan 18, 65; Swann 20, 304; Täcklind 19, 306; Takegami 20, 363; Théodoresco 16, 114; 17, 352; 18, 257, 360, 403; 19, 24; Tiercy 17, 118; Tolotti 20, 227; Tonolo 16, 28, 116; 17, 115; 20, 26; Tschelbottareff 19, 399; Tzortzes 18, 23; Vécoua 18, 66; Vessiot 17, 401; 18, 125, 359; 20, 301; Vranceanu 17, 351; 20, 26; Wazewski 17, 400; Weinstein 18, 216; Whitmore 20, 363.

**Differentialformen, Pfaffsches Problem** (s. a. *Berührungstransformationen*; s. a. *Invariantentheorie, Differential- und Integralinvarianten*) Boggio 19, 347; Bompiani 18, 274; Cartan 18, 402; van der Corput und Backer 20, 127; Cotton 18, 151; Gernay 17, 209, 259, 401; 18, 125, 214, 215; Hachtroudi 19, 306; Hodge 19, 79; Inzinger 16, 164; Justice 16, 255; Kähler 17, 259; Kotsakes 18, 23; Mattioli 19, 116; Pauc 18, 274; Petrescu 16, 255; Picone 16, 401; Sintsow 17, 166; Ślebodziński 20, 398; Strubecker 18, 151; Thomas 16, 304; Vessiot 18, 358; Vranceanu 17, 259, 351; 18, 125; Wintner 20, 172; Zervos 19, 408.

**Elliptische Differentialgleichungen** (s. a. *Potentialtheorie*) Abramov 18, 128; Agostinelli 17, 68, 353; 18, 25; Artmeladze 17, 17; Bergmann 18, 30; Caccioppoli 16, 361; 18, 404; Calkin 19, 31; Carleman 17, 114; Cibrario 19, 409; Cimmino 17, 113; 18, 25; 20, 26; Collatz 18, 257; Colwell und Hardy 18, 129; Coral 19, 215; Gageff 19, 215; Giraud 17, 71; 18, 24, 126, 404; 20, 224; John 18, 256; Leray 18, 65, 404; Lewy 17, 211; Mikeladze 16, 36; Morrey 18, 405; Petrovskij 18, 405; Picone 16, 209; 20, 359; Pizzetti 16, 306; Poritsky 18, 126; Romberg 16, 36; Sen 18, 128; Vécoua 17, 213; 18, 66; Weinstein 17, 263.

**Hyperbolische Differentialgleichungen** Agostinelli 18, 151, 406; Badescu 20, 26; Bateman 18, 259; Bremekamp 18, 256; Chaundy 17, 115; 19, 258; Christianovitch 18, 126; Delsarte 16, 27; Erdélyi 16, 22; Frankl 18, 359; Freda 16, 114; Frola 19, 260; Fues 18, 361, 406; Groth 17, 115; Hadamard 17, 115, 250; Hölder 19, 261; Iglisch 17, 352; Ignatovskij 17, 19; Kähler 16, 26; Krzyżański und Schauder 17, 260; Kupradze 17, 18, 213; Langer 17, 17; Laura 16, 257; Lewis 17, 310; McLachlan 18, 215; Metschwarischwili 18, 65, 19, 347; Mindlin 17, 354; Petrowsky 18, 405; Picone 16, 213; Piskunov 16, 255; Reulos 17, 310; Sakurai 17, 17; Schauder 18, 125; Sekera 19, 26; Smirnov 16, 26, 27; 17, 353; Soboleff 20, 126; Stellmacher 17, 213; Tolotti 18, 359; Vécoua 16, 359; Versluys 18, 215.

**Parabolische Differentialgleichungen** (s. a. *Thermodynamik, Wärmeleitung*) Bernstein 19, 66; Bock 16, 360; Datzeff 16, 403; 18, 362; Epstein 16, 115; Fjeldstad 18, 360; Lowan 17, 167, 309; 18, 309; Marcha d 19, 305; Moisl 19, 24; 20, 359; Nicolesco 17, 166; Oka 18, 127; Okaya 17, 117; Picone 16, 213; 20, 359; Piskunov 16, 255; Pogorzelski 17, 354; Schuchowitzky und Olewsky 16, 303; Schwerdtfeger 16, 115; Smith 16, 402; Täcklind 16, 213.

**Partielle Differentialgleichungen erster Ordnung** (s. a. *Berührungstransformationen*) van Bauman Teach 17, 362; Bouligand 17, 16; Carathéodory 17, 382; Cooley 18, 125; Digel 19, 167; Engel 20, 25; Gernay 19, 65, 346; 20, 124, 125; Halpern 19, 215; John 19, 24; Kotsakis 20, 25; Kourensky 16, 211; Martin 16, 401; Michnevitch 16, 211; Pfeiffer 16, 114, 401; 17, 16, 166; Saltykow 16, 211; 19, 408; Schauder 17, 166; Sintsow 17, 166; Srinivasiengar 16, 24; Titt 18, 214; Vessiot 17, 113; 18, 358; Wazewski 17, 399, 400; 18, 306.

*Differentialinvarianten* s. *Invariantentheorie, Differential- und Integralinvarianten*.

**Differential- und Integralrechnung** (s. a. *Numerische und graphische Methoden*) Alaci 20, 352; Amante 20, 209; Anghelutza 20, 352; Appell 18, 115; Arshon 18, 115; Baker 19, 403; Baidaff 18, 395; Basu, Bose und Vijayaraghavan 17, 250; Bijl 17, 13; Boas 18, 206; Bochner 17, 62; Brödel 20, 210; Brown 16, 56; Bruwier 19, 108; Calcagno 20, 12; Caro 18, 206; Carruccio 18, 147; Chen 16, 15; Cibrario 19, 299; Cinquini 18, 116; 19, 204; Ciorănescu 16, 104; 19, 10; Copeland 17, 107; Courant 18, 300; Delsarte 16, 56, 166; Dickinson 16, 248; Doole 16, 160; Durañona y Vedia und Trejo 19, 161; Elconin 18, 251; Fabian 17, 302; Faedo 18, 248; de Finetti 16, 159; 17, 9; Fréchet 17, 61; 18, 251; Gama 18, 115; Gernay 18, 11; Gernet 16, 57; Golab 18, 300; 19, 10, 338; Gorny 18, 300; 19, 72; Gugino 17, 204; Hadamard 17, 250; 18, 206; Hardy 19, 203; Hartman 16, 204; Hölder 17, 61; 18, 251; Hsü 16, 297; Iyengar 19, 161; Jardetzky 17, 107; Jonesco 19, 338; Kakeya und Kunugui 19, 299; Kimball 18, 367; Kolmogoroff 19, 314; Kondurar 17, 160; Kovanko 20, 210; Kowalewski 19, 402; Lall 19, 299; Lavrentieff 19, 403; Lebesgue 17, 9; 19, 160; Levi 17, 249; 18, 359; Longley 17, 107; Lorentz, Joos und Kaluza 17, 347; de Losada y Puga 18, 301; van der Lyn 18, 350; Maccaferri 20, 353; Maci 19, 299; Mahler 19, 403; Mahrenholz 17, 160; Mandelbroijt

17, 394; Martinotti 20, ●241; Maxia 20, 12; Mihoc 19, 402; Montel 17, 107; Morse 20, 12; Motzkin 19, 38; Müller 19, 337; Ore 18, 395; Ostrowski 18, 251; Petrovitch 17, 204; Photopoulos 16, 16; Picone 20, 212; Pompeiu 19, 300; Popoff 18, 300; 19, 56; Poritsky 18, 116; Rado 17, 204; Ricci 20, 212; Rosenblatt 18, 116; 19, 204; Rothe 16, ●248; Schaeffer and Duffin 18, 395; Scheffers 20, 12; Schmidt 18, 206; Schneider und Jessen 18, 415; Schönberg 17, 393; Severi 19, ●299; Sewell 20, 209; Shukla 18, 350; Sispánov 18, 116; Somigliana 16, 394; Soula 17, 250; Sprague 17, 204; Szűcs et Grosschmid 19, 337; Tams Lyche 18, 350; Tehéldzé 16, 394; 19, 109; Tonelli 17, 266; Tricomi 19, ●337; 20, 356; Turowicz 19, 10; Turrière 17, 417; Uhler 17, 393; 18, 350; van Veen 18, 300; Vignaux 19, 56; Wall 19, 10; Walther 16, 57; Ward 17, 347; Young 17, 250.

**Bestimmte Integrale** Alaci 16, 395; Bailey 19, 19; Biggeri 18, 72; Bonferroni 20, 209; Chowla 20, 352; Hardy 17, 257; Košliakov 16, 57; Rasch 16, 250; Schaurhofer 16, 16; Sibirani 20, 209; Sispánov 19, 160; Watson 17, 349; 19, 300, 425.

**Differentiation und Integration nicht ganzer Ordnung** Fabian 16, 124, 297; 17, 250; 19, 205; Gemant 18, 252; Hadwiger 16, 104; Love 19, 338; Love and Young 19, 10; Macphail 19, 338; Pitcher and Sewell 18, 307; Sokoloff 17, 61.

**Differenzenrechnung** (s. a. *Funktionalanalysis*; s. a. *Interpolationen*) Basoco 17, 256; Bell 20, 353; Böhmer 20, ●211; Burdette 20, 376; Collatz 16, 254; 18, 257; Dixon and Ferrar 16, 297; Florin 17, 313; Fort 18, 136; Fortet 16, 361; Fréchet 19, 56; Frisch 20, 147; Hartree, Porter, Callender and Stevenson 17, 178; Kitagawa 17, 170; 18, 366; Knoll 16, 396; Koeppler 20, 30; Lancaster 20, 211; Latshaw 18, 13; Martin 18, 351; Meixner 19, 342; Mitrinovich 20, 209; Montel 17, 107; Obrechhoff 17, 62, 205; Romanovsky 19, 11; Sakurai 16, 211; 19, 30; 20, 223; Sheffer 16, 18, 307; Toscano 16, 204; 17, 12; Trjitzinsky 17, 301; 19, 110; Watson 19, 338; Wold 20, 147.

**Diffusion** s. *Kinetische Theorie der Materie, Diffusionsprobleme*.

**Diophantische Approximationen** (s. a. *Transzendenzprobleme und Approximationen*; s. a. *Zahlentheorie*) Berg 17, 152; Bergström 17, 104; van der Corput 17, 247; 18, 8, 108, 295; Davenport 18, 109, 295; Erdős and Mahler 20, 294; Fenchel 18, 7; Gelfond 18, 7; Grave 20, ●197; Hajós 20, 6; Hlawka 18, 204; Hofreiter 16, 9; 18, 110; 19, 106; Jarník 16, 155, 248; 18, 111; 20, 7; Khintchine 16, 202, 292; 17, 104; 18, 53; Koksma 18, 53; 19, 7; Lammell 16, 362; Lettenmeyer 18, 112; Mahler 16, 155; 18, 346; 19, 250; Mordell 16, 150, 392; 18, 7, 295; Morimoto 19, 52; 20, 7; Oppenheim 17, 247; Pisot 16, 392; 19, 7, 52, 155; Potter 19, 211; Salem 17, 303; Segal 20, 7; Stepanoff 17, 104; Tchudakoff 17, 104; Tortorici 19, 52; Tschebotarow 18, 110.

**Diophantische Gleichungen** s. *Zahlentheorie, diophantische Gleichungen*.

**Direkte Infinitesimalgeometrie** s. *Mengentheoretische Geometrie, direkte Infinitesimalgeometrie*.

**Dirichletsche Reihen** (s. a. *Fastperiodische Funktionen*; s. a. *Taubersche Sätze*) Amerio 20, 30; Biggeri 16, 33, 64; 18, 121; 19, 60; Buhl 16, 335; Dvoretzky 18, 210, 355; 20, 18; Ferrar 17, 12; Guinand 18, 132, 363; Hecke 16, 355; 18, 210; Heilbronn 19, 303; Hille 18, 6; Izumi 16, 60; Kienast 18, 355; Kitagawa 19, 214; Levi 16, 64; Lipka 16, 124; Marke 16, 302; Perron 16, 301; Pfluger 16, 302; Pitt 19, 109; Raikov 19, 249; Takagi 18, 58; Takahashi 19, 205; Toeplitz 20, 18; Vignaux 20, 19; Wiener 19, 34.

**ζ-Funktionen und L-Reihen** (s. a. *Zahlentheorie, analytische Zahlentheorie in Zahl- und Funktionenkörpern*) Beurling 17, 296; de Bruijn 17, 14; Deuring 17, 68; Gupta 20, 345; Heilbronn 18, 6; van Kampen und Wintner 16, 18; Kershner 16, 18; Kershner and Wintner 17, 62; Kober 16, 400; Košliakov 16, 57; 17, 14, 196; Kramaschke 16, 110; Marke 16, 302; Petterson 18, 99; Siegel 18, 203; 19, 151; Suetuna 16, 345; Sugawara 19, 148; Tchudakoff 17, 104; Titchmarsh 16, 399; 18, 389, 390; 19, 197; Wang 16, 399; Weissinger 18, 389; Westphal 17, 397; Wintner 20, 211.

**Divergente Reihen** s. *Summabilitätstheorie*.

**Doppelsterne** s. *Mechanik, Doppelsterne*.

**Drahtlose Telegraphie** s. *Elektrodynamik, elektromagnetische Schwingungen und Wellen*.

**Dreikörperproblem** s. *Mechanik, Drei- und Mehrkörperproblem*.

**Elastizitätstheorie** s. *Mechanik, Kontinuumsmechanik*.

**Elektrodynamik** (s. a. *Relativistische Quantenmechanik, Quantenelektrodynamik*) Agostinelli 19, 283; Belljustin 16, 284; Boggio 19, 260; Carwile 18, 333; Delsarte 16, 27; Drysdale 20, 177; Eckart 20, 175; Esclanong 20, 267; Fischer 20, 267; Gialanella 20, 27; Hutner 20, 323; Kähler 16, 26; Kwal 16, 329; Laura 16, 257; Lewis 17, 310; Madhava Rao 19, 90; Mercier 16, 165; Milne 19, 90; Noda 20, 322; Osterberg and Cookson 17, 42; Pétiau 18, 181; Racah 16, 329; Reulos 17, 310; Rosen 20, 178; Roy 19, 283; Ruse 16, 421; Schenkel 20, 321; Schott 16, 336; Serini 16, 90; Uller 20, 176; Watson 16, 213; 17, 42; Wolfke 19, 283.

**Elektromagnetische Schwingungen und Wellen** Agostinelli 18, 406; 20, 322; Bose 19, 284; Cagniard 20, 322; Carson and Fry 17, 355; Eckersley and Millington 19, 120; Feld 20, 267; Grosskopf 17, 213; Hodgkinson 18, 407; Kober 19, 284; v. Koppenfels 16, 402; Kupradze 17, 18, 213; 18, 259; Lettowsky 20, 81; McLachlan 18, 215; Maggi 16, 165; Majumdar



- 18, 181; Möller 19, 283; Morse und Rubenstein 20, 177; Mühlinghaus 19, 284; Niessen 16, 165; 18, 181, 334; Pidduck 19, 283; van der Pol and Bremmer 17, 167; 18, 334; 19, 285; Rice 16, 115; Sona 18, 217; Uller 17, 138.
- Elektrostatik** (s. a. *Potentialtheorie, spezielle Potentiale*) Adams 17, 261; 18, 127; Beier 18, 360; Ewald 19, 47; Grünberg 19, 25; Guillet 20, ●176; Hallén 16, 256; Hurst 18, 259; Kizel 16, 329; Knight and McMullen 17, 118; Love 20, 321; Maggi 16, 329; Morris 16, 213; Shepherd 20, 111; Waldmann 17, 116; Watson 20, 266.
- Magnetismus** (s. a. *Quantentheorie, Magnetismus*) Andronescu 20, 81; Dekhtjar 20, 177; El-sasser 20, 271; Guilbert 16, 284; Leipunskij 20, 177.
- Schaltungen** Baier 19, 13; Burlington 18, 98; Piloty 16, 90; Pipes 18, 361.
- Spezielle Probleme, technische Anwendungen** Abason 20, 52; Bashkirov 20, 178; Bernamont 16, 90; Boggió 20, 267; Brinkmann 20, 269; Büttner 20, 269; Daymond and Rosenhead 19, 217; Eckart und Plendl 20, 268; Ekelöf 19, 348; Fabrikant 20, 323; Feld 20, 177; Fränz 20, 268; Godart 19, 426; Grigorovici 20, 268; Grinberg 20, 177; Grünberg 20, 177; Heatley 18, 181; Hoffmann, Kock and Pryce 16, 90; Kapzov 20, 270; Klarfeld 20, 178; Klemm 20, 81; Korn 19, 120; Manarini 20, 267; Opatowski 20, 267; Pidduck 16, 330; Reinhardt 20, 322; Rudolph 20, 269; Schade 20, 268; Sitnikov 20, 270; Spiwak and Reichrudel 20, 178; Suits 20, 324; Tjagunov 20, 269; Zhebrovskij and Popkov 20, 81.
- Elektronenoptik* s. *Optik, klassische, Elektronenoptik*.
- Elektrostatik* s. *Elektrodynamik, Elektrostatik*; s. *Potentialtheorie, spezielle Potentiale*.
- Elektrotechnik* s. *Elektrodynamik, spezielle Probleme, technische Anwendungen*.
- Elementargeometrie und Konstruktionen** (s. a. *Analytische und projektive Geometrie*; s. a. *Darstellende Geometrie*; s. a. *Geodäsie*; s. a. *Grundlagen der Geometrie*; s. a. *Trigonometrie*) Baron 19, 75; Bilimovitch 19, 361; Bone 18, 84; Botea 16, 70; Bottema 18, ●370; Bratu 18, 84; Cantoni 17, 369; Cavallaro 16, 270; 18, 163; 19, 74; Germani 20, 385; González 18, 84; Gutiérrez Novoa 20, 249; Hartmann 19, 275; Hoborski 20, 385; Ionescu-Bujor 16, 178; Ketchum 17, 417; Köhler, Graf u. Calov 20, ●385; Krishnaswami Ayyangar 18, 85; Loria 17, 127; Mahler 20, 50; Mayer 17, 319; Meincke u. Schulz 18, 372; Nehring 16, 269; 19, 275; Oakley 18, 98; Ogino 17, 179; Padoa 20, 50; Palazzo 20, 50; Peltessohn 20, 49; Perron 19, 275; Postelnicesco 20, 385; Reinicke 17, 370; Richmond 20, 250; Sandel 17, 219; Steinhaus 20, ●49; Strubecker 18, 268; Szász 17, 369; Takamatsu 17, 179; Tallqvist 18, 420; Thébault 17, 180; 20, 386; Tigano 19, 75; Toda 17, 179; Tricomi 20, 51; Weiszfeld 16, 38; Williams 20, 50.
- Dreieck** Abason 16, 70; 18, 163; 20, 386; Barbilian 16, 177; 18, 325; Bottema 20, 388; Brabant 20, 249; Cavallaro 18, 229; 20, 50, 386; Child 20, 385; Deaux 17, 178; Dobbs 18, 84; Durairajan 17, 180; 18, 229; Egerváry 18, 163; Finsler u. Hadwiger 19, 134; Gallucci 20, 249; Gambier 17, 369; 18, 419; Gibbins 18, 229; Givens 20, 50; Goormaghtigh 17, 178, 219; 19, 361; 20, 386; Haarbleicher 17, 127; Hoborski 19, 75; Horn 19, 361; Krishnaswami Ayyangar 17, 218; Lalesco 16, ●367; Leemans 17, 218, 417; Lorenz 17, 369; Lyness 20, 386; Maci 17, 81; Mahrenholz 18, 371; Marchay 17, 81; Mayer 17, 28; Mihăileanu 17, 29; Montel 20, 385; Musselman 19, 361; Natucci 17, 369; Nehring 17, 369; 20, 385; Neiss 17, 417; Noguera 18, 163; Ogino 17, 179; Petrovitch 20, 50; Postelnicesco 18, 84; Rüegg 20, ●157; Sispanov 20, 50; Takamatsu und Ogino 17, 179; Thébault 16, 178, 269; 17, 369; 18, 419; 19, 75, 275, 361; 20, 249, 386; Tino u. Ghermănescu 20, 250; Toda 17, 178; Tuckey 20, 386; Tummers 20, 51; 388; Turrière 20, 50; van der Waerden 19, 134; Weaver 18, 84; van Wijk 18, 84; van Yzeren 17, 417; Zacharias 18, 163.
- Konstruierbarkeitsfragen** Cavallaro 16, 38; 17, 178, 318; Finsler 18, 268; Givens 17, 127; Neiss 16, 268; Pedrazzini 17, 81; Piazzolla-Beloch 16, 38; Schögt 19, 388; Wiedemann 17, 318; Wolff 16, 268; van der Woude 18, 163; Yanagihara 18, 371.
- Polyeder und reguläre Raumeinteilung** (s. a. *Gruppentheorie, lineare Gruppen*; s. a. *Kristallographie*) Abason 20, 52; Benedicks 20, 250; Blaschke 18, 234; Coxeter 16, 271; 17, 6; Coxeter, Val, Flather and Petrie 19, 135; Fournier 19, 135, 362; Frucht 16, 376; Goldberg 17, 231; Haag 16, 38; Hadwiger 16, 178; Hajós 20, 6; Hancock 18, 372; Keller 16, 54; Kolman 16, 369; Kowalewski 20, ●52; Lebesgue 19, 180, 362; Marth 17, 418; Merz 16, 270; 17, 180; 19, 38, 180; de B. Robinson 17, 6; Sambo 18, 230; Sauer 17, 29; Sinogowitz 20, 387; Stöhr 20, 51; Voderberg 17, 29; Youngs 20, 250;
- Tetraeder** Altshiller-Court 17, 219; Auluck 18, 371; Delens 16, 38, 269; 17, 180, 369; 18, 371; 19, 275; 20, 51; Durairajan 17, 219; 18, 229; Egerváry 18, 163, 371; Gambier 18, 229, 419; Iyengar 18, 371; Iyengar and Iyengar 19, 75; Thébault 16, 70, 269; 17, 180, 369; Venkatachaliengar 18, 371; Weiszfeld 16, 38; van der Woude 18, 84.
- Elementarkurven* s. *Mengentheoretische Geometrie, Theorie geometrischer Gebilde bzgl. gegebener Realitätsordnung*.
- Elementarteiler* s. *Lineare Algebra, Matrizen und Determinanten, Elementarteiler*.
- Eliminationstheorie** Bell 19, 62; Biggiogero 18, 243; Dantoni 19, 147; Flood 16, 241; Kulik 18, 199; Mignosi 16, 149; Perron 17, 2; Ritt 20, 24; Romano 20, 57; Tocchi 17, 386; Zariski 16, 100.
- Elliptische Differentialgleichungen** s. *Differentialgleichungen, partielle, elliptische Differentialgleichungen*.

**Elliptische Funktionen und Verwandtes** (s. a. *Algebraische Funktionen und Abelsche Integrale*; s. a. *Funktionentheorie*) Bartky 20, 156; Darling 20, 248; Diatchenko et Bréous 18, 407; Fubini 19, 114; Godeau 17, 164; Göllnitz 17, 110; Heumann 17, 306; Kommerell 16, 110; Krygowski 16, 358, 400; Lindemann 16, 242; Mahrenholz 17, 160; Racah 17, 306; Roberts 20, 136; Sharma 16, 162; Somigliana 19, 308; Tricomi 20, 34.

**Automorphe und Modulfunktionen** (s. a. *Gruppentheorie, lineare Gruppen*) Barna 19, 163; Braun 18, 400; 19, 152; Hecke 16, 355; 18, 357; Heegner 17, 341, 342; 19, 395; Maass 18, 8, 358; Murke 16, 302; Myrberg 20, 221; Petersson 17, 25, 306; 18, 62, 357, 400; 19, 22, 344; Rademacher 18, 246; 20, 220; Rademacher and Zuckerman 19, 22; Siegel 16, 12; Sugawara 19, 210, 211; Zuckerman 20, 220.

**Komplexe Multiplikation** Touchard 20, 218; Turri 19, 54; Watson 16, 102;

**Thetafunktionen** Drach 18, 357; Dwyer 16, 248; 20, 218; Erdélyi 17, 257; Gage 17, 257; 18, 61, 62; Nichols 16, 163; 19, 51; Potter 19, 211; Schoeneberg 20, 202; Selberg 18, 399; Sugawara 19, 211; Whittaker and Bailey 18, 255.

**Ergodenhypothese** s. *Mechanik, Verlauf der Bahnkurven, Stabilitätsprobleme, Ergodenhypothese.*

**Expanding universe** s. *Relativitätstheorie, expanding universe und Verwandtes.*

**Fakultätenreihen** Ghika 18, 253; Lagrange 18, 303; Vilimek 16, 21.

**Farbenprobleme** s. *Topologie, Graphen, Farbenprobleme.*

**Fastperiodische Funktionen** (s. a. *Dirichletsche Reihen*; s. a. *Verteilungsfunktionen*) Belardinelli 20, 300; Bochner 20, 300; Bohr 16, 57; Bohr and Flanders 18, 121, 465; 20, 300; Bohr u. Jessen 16, 58; Buch 19, 60; Cameron 18, 210, 211; 20, 301; Delsarte 16, 304; 18, 212; 20, 19; Favard 16, 58; Fenchel 16, 356; Hartman, van Kampen and Wintner 18, 211; Hartman and Wintner 18, 58; Husson 16, 86; Jessen 16, 356; 20, 211; Kakutani 20, 79; van Kampen 16, 304; Kawata 17, 348; 20, 20; Kitagawa 18, 366; Lewitan 17, 357; 18, 58, 59; 19, 206, 303; Love 19, 338; Maak 19, 60; Montgomery 17, 299; Nakayama 18, 297; Petersen 16, 304; 18, 212; Schmidt 20, 310; v. Sz. Nagy u. Strausz 18, 397; Takahashi 18, 121; 19, 205; 20, 300; Tornehave 20, 240; Wintner 18, 95; 20, 172; Wolf 18, 356; Yosida 19, 290; Zygmund 16, 109.

**Fehlerrechnung** s. *Wahrscheinlichkeitsrechnung, Fehlerrechnung, Ausgleichung.*

**Fermatsche Vermutung** s. *Zahlentheorie, Fermatsche Vermutung.*

**Finanzmathematik** Acosta 19, 131; Bell 17, 367; Bonferroni 18, 148; Borel 19, 315; Camp 18, 79; Campagne 17, 275; del Chiaro 17, 28; Giaccardi 18, 79; Güttinger 18, 79; Insolera 20, 247; Koeppler 20, 30; Kołodziejczyk 20, 247; Kosiol 20, 48; Lenzi 17, 28; 18, 323; Levi 18, 148; Lotka 20, 246; Martinotti 20, 241; Meidell 20, 45; Misra 18, 323; von Stackelberg 20, 247; Steffensen 18, 323, 19, 178; Ten Pas 20, 153;

**Finslersche Räume** s. *Differentialgeometrie, Geometrie der Variationsprobleme, Finslersche Räume*; s. *Mengen-theoretische Geometrie, allgemeine metrische Geometrie.*

**Formen, algebraische Theorie** s. *Eliminationstheorie*; s. *Polynome und algebraische Gleichungen.*

**Formen, arithmetische Theorie** s. *Zahlentheorie, arithmetische Theorie der Formen.*

**Formen, bilineare, quadratische** s. *Lineare Algebra, Matrizen und Determinanten, bilineare, quadratische Formen und Verwandtes.*

**Fourierintegrale** s. *Integraltransformationen, Fourierintegrale.*

**Fourierreihen** (s. a. *Approximation von Funktionen*; s. a. *Numerische und graphische Methoden, harmonische Analyse*) Achyesser et Krein 16, 300; Achyesser u. Lewitan 16, 300; Bary 18, 18; Bernstein 16, 207, 465; Bhatnagar 19, 205; Boas and Bochner 20, 216; Cameron 18, 210; Cesari 17, 255; 18, 353; 19, 59, 113, 207; 20, 15; Chaundy 17, 302; Denjoy 19, 112; Erdős u. Grünwald 18, 397; Ewald 19, 47; Faedo 17, 255; 20, 112; Favard 16, 58, 59; Fejes 19, 15; Hartman 18, 148; Hartman and Wintner 18, 354; Izumi and Kawata 19, 206, 207; Kawata 19, 270; 20, 20; Kuzmin 16, 108; Lewitan 19, 206, 303; Littlewood 19, 162; Littlewood and Paley 16, 301; Linfoot and Shepherd 19, 59; McLachlan 18, 121; Marcinkiewicz 20, 354; Marcinkiewicz and Zygmund 18, 18; 19, 270; Minakshisundaram 17, 348, 349; Pitt 18, 17, 353; Rademacher 20, 220; Rademacher and Zuckerman 19, 22; Randels 18, 353; Salem 17, 303; 18, 18; 19, 205, 300; 20, 111; Sidon 18, 119; 19, 162, 301; Störmer 19, 205; Szász 17, 109, 302; 18, 254; 19, 15; 20, 111; v. Sz. Nagy 18, 209, 353; Takahashi 19, 205, 206; Tonelli 17, 255; 19, 205; Turán 19, 17; 20, 14; van Veen 20, 14; Weisel 18, 254; Wiener 19, 34; Wintner 16, 397; Young 16, 105; 17, 250; 19, 15, 16; Zygmund 16, 109; 19, 16, 17, 301.

**Summabilitätstheorie** Bhatnagar 18, 148; 19, 207; Bosanquet and Hyslop 16, 210; Bosanquet and Kestelman 20, 354; Cooke 17, 303; 18, 17; Faedo 19, 208; Fejér 19, 340; Foà 20, 112; Gergen 17, 11; Hyslop 18, 120; Izumi and Kawata 19, 207; Jacob 20, 14; Kawata 19, 207; Marcinkiewicz 20, 217; Obrechhoff 20, 16; Randels 16, 109, 210, 397; 20, 16; Salem 16, 398; 17, 11; Smith 19, 112; Szász 20, 216; Vignaux 19, 209.

**Trigonometrische Polynome** Cesari 19, 301; Chowla 18, 209; Favard 17, 251; Fejes 20, 110; Geronimus 20, 13; Giaccardi 17, 302; Jessen 20, 211; Lanczos 20, 13; Littlewood 16, 395; Marcinkiewicz and Zygmund 17, 251; Sheperd 20, 111; Tornehave 20, 240; Vinogradov 19, 249.



**Funktionalanalysis** (s. a. *Differenzrechnung*; s. a. *Integralgleichungen, unendlich viele Variable*; s. a. *Integraltransformationen*; s. a. *Operatorenkalkül*) Adams and Clarkson 20, 297; Agnew 18, 134, 365; Banach 18, 219, 364; Belardinelli 17, 359; Bergmann 17, 75; Birkhoff 16, 61; 18, 134; Boas and Bochner 19, 109; Boas and Tukey 19, 266; Bochner 17, 309; Bohnenblust and Sobczyk 18, 365; Bortolotti 17, 361; Caccioppoli 16, 361; Calkin 19, 31; Cohen and Dunford 18, 71; Delsarte 16, 56, 166; 19, 121; Destouches 18, 69; Doeblin et Fortet 17, 316; Eidelheit 20, 370; Fichtenholz 20, 133, 134; Fortet 16, 307, 361; Fouillade 19, 67; Fréchet 17, 61; Friedrichs 17, 21; 18, 70; Frola 17, 71; 18, 218; Gelfand 18, 71, 72; Glivenko 17, 61; Goldstine 17, 264; 18, 219; 19, 170; Gowurin 16, 61; Graffi 16, 119; Grinblum 20, 369; Halperin 18, 366; Highberg 17, 118; Hildebrandt 18, 135; Hille 18, 366; 20, 367; Hölder 16, 63; Hukuhara 17, 15; Hyers 17, 360; Izumi 16, 167; Johansen 16, 307; Julia 18, 71; Kantorovitch 16, 118; 18, 313; Kantorovitch et Vulich 17, 215; 18, 313; Kitagawa 18, 366; 20, 370; Kryloff et Bogolouboff 16, 312; Lang 18, 256; Lengyel and Stone 16, 30; Love et Young 16, 214; Lubben 19, 32; Lusternik 16, 214; van der Lyn 20, 307; McShane 17, 160; Maeda 17, 265, 266; 18, 312; Maeda and Ogasawara 17, 265; Marcinkiewicz 18, 365; 20, 31; Martis in Biddau 17, 19, 20; Mazurkiewicz 18, 134; Michal 17, 361; Michal and Elconin 16, 307; Michal and Paxon 17, 119; Michlin 19, 122; Moore 20, 366; Murray and v. Neumann 17, 360; v. Neumann 19, 311; Ogasawara 17, 266; Picone 18, 257; Pincherle 16, 120; Piscador 17, 215; Rellich 16, 62, 63; 20, 306; Riesz 18, 219; Rutman 19, 31; Saks 16, 29; 19, 170; Sheffer 18, 136; Soboleff 19, 266; Steen 18, 69; Suchomlinov 19, 32; v. Sz. Nagy 18, 366; Taylor 17, 263; 18, 313, 365; Toscano 17, 170, 263, 359; 18, 136; Ulm 17, 99; Visser 16, 118; 19, 30; Volterra et Hostinský 18, 69; Vulich 17, 359; 18, 135; Watson 16, 213; Wecken 20, 305; Wigner 20, 296; Wintner 20, 307;

**Funktionalgleichungen** Anghelutza 18, 206; Azevedo do Amaral 18, 301; Bonferroni 18, 148; Braun 17, 347; Briston 20, 30; Ciorănescu 20, 371; Doeblin 18, 156; Golab 19, 11; Hecke 18, 210; Ionesco 19, 310; Izumi 16, 60; Kac 16, 249; Kitagawa 17, 20, 170; 19, 68; Leau 19, 63; Lefebvre 20, 138; Levi 18, 148; Maccaferri 20, 353; Mayer 19, 413; Montel 18, 301; Neronoff 17, 69, 70; Nicolesco 19, 266; Pompeiu 18, 147; 20, 371; Popovici 17, 214; 18, 67; Robinson 19, 71; Sierpiński 18, 301; Touchard 19, 11; Valiron 20, 139.

**Lineare und Funktionenräume** (s. a. *Topologie, topologische und metrische Räume*) Adams and Morse 17, 264; Agnew and Morse 19, 311; Appert 17, 106, 215; Birkhoff 16, 204; Bochner and Taylor 20, 371; Bohnenblust 19, 141; Bourbaki 19, 123; Chmoulyan 19, 267; Clarkson 16, 30; Doob 20, 109; Dunford 19, 266, 416; Eidelheit u. Mazur 18, 219; Fichtenholz 16, 30; Friedrichs 20, 368; Gantmakher et Šmulian 17, 360; Goldstine 18, 313; Greenblum 18, 70; Hagemann 16, 118; Hille 20, 369; Hyers 17, 360; 18, 277; Inagaki 17, 359; Izumi and Kitagawa 18, 220; Julia 18, 312; 19, 310; Kakutani 17, 23; 19, 416; 20, 32, 79; Kantorovitch 16, 307, 405; 19, 417; Kantorovitch et Pinsker 20, 31; Kerner 17, 22; Kitagawa 20, 134; Kline 20, 409; Köthe 16, 117; Krein 16, 31; Kuratowski 19, 47; Lengyel 20, 368; Lorch 20, 307; Maddaus 19, 30; Mazur 20, 369; Mazurkiewicz 16, 125; Michal 16, 215; 17, 22; 19, 311; Michal, Highberg and Taylor 16, 215; Michal and Hyers 18, 367; Michal and Paxon 17, 119; 18, 133; Milman 19, 416; Mimura 16, 119; Mizoguti 20, 31; Monna 19, 371; 20, 369; Morinaga 17, 170; Murray 16, 214; Murray and v. Neumann 17, 360; Neumark 20, 31; Oxtoby 16, 296; Pettis 19, 122, 417; Pinsker 19, 170; 20, 134, 370; Piscador 17, 215; Plessner 20, 369; Price 16, 229; Rothe 17, 39, 360, 465; 18, 133; Schauder 16, 30; Schoenberg 17, 361; 19, 415; Shin 19, 214; Sirvint 19, 31; Smithies 19, 415; Soukhomlinoff 19, 169; Stone and Tamarkin 16, 405; v. Sz. Nagy 16, 119; 20, 134; Taylor 16, 64; 19, 170; Vulich 16, 63; Wehausen 19, 123; Whitney 19, 398; Yosida 19, 414; Yosida and Kakutani 20, 39; Yosida, Mimura and Kakutani 20, 306.

**Funktionen, spezielle** s. *Spezielle Funktionen*.

**Funktionenkörper** s. *Körpertheorie, Ringe usw., Funktionenkörper*; s. *Zahlentheorie, analytische Zahlentheorie in Zahl- und Funktionenkörpern*.

**Funktionenräume** s. *Funktionalanalysis, lineare und Funktionenräume*.

**Funktionentheorie** (s. a. *Algebraische Funktionen und Abelsche Integrale*; s. a. *Differentialgleichungen, gewöhnliche, Differentialgleichungen im Komplexen*; s. a. *Elliptische Funktionen und Verwandtes*; s. a. *Potentialtheorie*; s. a. *Spezielle Funktionen*) Ahlfors 16, 32; Baloun 18, 153; Barbilian 18, 85; Bergmann 18, 30; Bermant 18, 143; Biggeri 18, 72; Bohr u. Jessen 16, 58; Cartwright 16, 265; Catalano 16, 32; Cell 16, 310; Chuang 17, 23; 18, 223; Cinquini 17, 119; 20, 136; Cisotti 17, 119; Dinghas 16, 34; 19, 33; Duffin and Schaeffer 18, 409; Dvoretzky 17, 72; 18, 210; Faber 16, 167; Fabian 16, 124; Federighi 18, 260; Ford 16, 124; Friedrichs 17, 21; Ganapathy Iyer 19, 171; Germay 18, 73; 20, 137; Ghika 18, 315; Golusin 17, 407; Gravé 18, 368; Grünwald u. Turán 17, 23; Kawata 16, 32; 17, 73; 18, 141; Koebe 18, 369; Kotliansky 16, 362; Lefebvre 20, 138; Levinson 18, 143, 221; Liénard 17, 268; Maker 20, 230; Marcinkiewicz and Zygmund 19, 420; Maruyama 16, 264; Menchoff 17, 215; Milloux 17, 23; 18, 315; Minami 18, 141; Montel 17, 107; 18, 140; 19, 418; Nehari 19, 69; Nicolesco 20, 228; Noshiro 17, 407; 18, 315; Pfluger 16, 310; Pompeiu 16, 167; 17, 119; Privalov 18, 72; Radojčić 16, 168, 169; Robertson 17, 407; Rogosinski 20, 376; Scheib

- 20, 228; Schmidt 20, 310; Sewell 16, 107; Srivastava 19, 314; Stoilow 17, ●378; Tricomi 20, ●34; Valiron 19, 418; Walsh 16, 123, 310, 406; Wilson 17, 313; Zorn 20, 231.
- Algebroide Cotton** 17, 25; Ghermanesco 16, 218; Valiron 20, 378.
- Analytische Fortsetzung, Singularitäten, Überkonvergenz Besse** 19, 171; Biggeri 16, 33, 64, 168; 18, 73, 222; Birindelli 16, 125; Boerner 20, 234; Bourion 17, ●313; Calugaréanu 17, 174; 18, 141; 19, 418; 20, 35; Cartwright 17, 408; Denjoy 16, 308; 17, 173; 18, 140, 261; Dvoretzky 18, 355; 20, 233; Gontcharoff 19, 312; Hadamard 16, 308; Huntemann 19, 162; Levi 16, 64; Lipka 16, 124; Mandelbrojt 16, 308; 18, 140; Mazurkiewicz 16, 125; de Misès 17, 426; Perron 16, 301; 18, 223; Pfluger 16, 302; Radojčić 16, 168, 169; Roger 18, 261; Stoilow 16, 125; Tryboń 19, 125; Wilson 17, 313.
- Analytische Funktionen mehrerer Variablen Aravyskaya** 17, 410; Aronszajn 17, 74; Behnke u. Peschl 16, 267; Behnke u. Stein 17, 409; 19, 71; 20, 36, 378; Bergmann 16, 170, 408; 17, 75, 410; 18, 262; 19, 272, 422, 423; 20, 299, 312, 379; Bergmann et Marcinkiewicz 20, 379; Bloch 20, 144; Bochner 17, 365; 18, 153; 20, 144; Bochner and Martin 16, 311; Bohne 19, 315; Caccioppoli 20, 143; Cameron and Martin 19, 71; Cartan 19, 315; Ciorănescu 17, 123; Delange 18, 222; Fuchs 17, 75, 174; 18, 30; 19, 423; 20, 37; Giambelli 20, 37; Hodge 19, 79; Jackson 19, 34; Kneser 16, 126; 18, 410; Lelong 19, 315; Martin 17, 122; Martinelli 16, 65; 17, 174; Mitrochin 17, 75; Oka 17, 122; 20, 240; Segre 20, 143; Severi 19, 423; 20, 36; Sommer 17, 26; Staniland 16, 267; Stein 17, 74; Tornehave 20, 240; Vignaux 16, 35; Wachs 18, 370; Wirtinger 16, 408.
- Beschränkte und beschränktartige analytische Funktionen mit positivem Realteil Ahlfors** 18, 410; Alisbah 19, 171; Bermant 19, 124; Cacridis-Theodorakopoulos 16, 125; Carathéodory 16, 216; Dinghas 18, 265; Geronimus 16, 125; Grunsky 19, 420; Hall 16, 216; Heins 18, 410; Hössjer 17, 119; Myller-Lébédeff 18, 141; Paatero 17, 173; Privalov 19, 222; Robertson 17, 407; Rogosinski 17, 269; 19, 32; Satō 19, 313; Tsuji 20, 130; Unkelbach 18, 29; Walsh 19, 404; Walsh and Seidel 19, 171; Wolff 19, 32, 420; Zorn 18 277.
- Ganze Funktionen Bird** 17, 269; Boas 19, 125; Broggi 16, 217; Calugaréanu 17, 174; Carmichael, Martin and Bird 16, 33; Cartwright 16, 265; 17, 315; Dinghas 17, 73; Duffin and Schaeffer 17, 363; Fan 18, 142; Ganapathy Iyer 16, 33, 265; 17, 23, 24, 120, 314, 393, 407; 18, 368; 19, 70, 221, 270; Gelfond 20, 311; Germay 19, 220; Ghermanescu 18, 74; Gontcharoff 18, 74; Green 20, 352; Grunsky 16, 309; Hibbert 17, 363; 20, 140; Kawata 19, 419; Lammell 17, 252; Lévine 18, 224; Levinsen 18, 224; Macintyre 19, 70, 270; 20, 377; Marcinkiewicz and Zygmund 19, 270; Matison 19, 125; Newsom 19, 171; Obrechhoff 19, 125; Okamura 16, 168; Ostrowski 18, 368; Pennyquick 17, 252; Petrovitch 20, 210, 234; Pfluger 17, 269; Plancherel et Pólya 16, 360; 18, 152; Pólya 17, 408; Popken 16, 65, 123, 266; Rauch 17, 314; 18 223; 20, 235; Roth 18, 74; 20, 235; Satō 19, 313; v. Sz. Nagy 18, 260; Tumura 16, 217; Valiron 20, 139, 237; Wiener and Martin 16, 406; Wiman 17, 408.
- Harmonisches Maß (s. a. Potentialtheorie, Harmonisches Maß, Kapazitätskonstante) Aronszajn** 19, 173; Germansky 19, 111; Minami 19, 419; Nevanlinna 20, 29; Privaloff 19, 222, 223.
- Konforme Abbildung Anghelutza** 20, 36; Aumann 18, 30; 20, 237; Bradfield, Hooker and Southwell 16, 175; Cimmino 18, 41; Fedoroff 20, 36; Fritsch 17, 122; Geronimus 19, 271; Ghika 19, 421; Ginzler 18, 29; Golusin 16, 216; 17, 121; 20, 142; Graeser 16, 267; Grunsky 16, 267; Ikeda 16, 36; Jacob 19, 261; Kasner 18, 41; Keldysch et Lavrentieff 17, 217; Khajalia 16, 407; 19, 126, 272; Knöll 20, 140; Koebe 16, 65; 17, 217; Kryloff 20, 142; Kufareff 17, 73; Lavrenticff 19, 71; 20, 143; Leja 18, 260; McShane 16, 266; Markouchevitch 16, 310; Müller 17, 408; Ostrowski 20, 238; Rosenblatt 16, 64, 216; Schiffer 18, 409; 19, 314; Teichmüller 20, 238; Unkelbach 16, 216; 18, 224; Visser 16, 126; Walsh 16, 310; 19, 271; Wolff 16, 169; 19, 32, 420.
- Konforme Abbildung, Spezielles Daymond and Rosenhead** 19, 217; Gilman 18, 409; Heinrich 20, 375; Ikeda 19, 126; König 20, 376; v. Koppenfels 17, 164; 20, 220; Love 20, 321; Mangler 19, 126; Morris 17, 68, 69; Omara 20, 264; Prosciutto 20, 237.
- Meromorphe Funktionen Blanc** 17, 120; Cartwright 17, 315; Chuang 16, 126, 362; Dinghas 17, 364; 19, 421; 20, 139; Dubois 17, 24; Fan 17, 408; Gelfond et Toldzé 18, 142; Huntermann 19, 162; Kakutani 17, 74; Lee 17, 216; 18, 142, 368, 409; 19, 314; Lelong 16, 217; Mambriani 20, 311; Meimann 19, 270; Milloux 16, 218, 309; 17, 363; 20, 35; Obrechhoff 16, 34; Petrovitch 17, 216; Roth 20, 235; Valiron 18, ●73; 19, ●419.
- Normalfamilien Bermant** 19, 124; Chuang 18, 143; Milloux 16, 218; Minetti 16, 362; Montet 19, 271; Tulajkov 19, 25; Valiron 17, 313.
- Nullstellen analytischer Funktionen (s. a. Polynome und algebraische Gleichungen, Lage der Nullstellen) Buch** 19, 60; Chow 20, 34; Ganapathy Iyer 17, 24; Ilieff 20, 35; Lipka 16, 33; 18, 397; 20, 137; Obrechhoff 19, 125; 20, 137, 231; Onofri 19, 33; Ostrowski 18, 368; Pfluger 17, 269; Pólya 17, 408; v. Sz. Nagy 18, 260; Tschakaloff 18, 222; Wiman 17, 408.
- Potenzreihen und andere Reihenentwicklungen analytischer Funktionen (s. a. Approximation von Funktionen; s. a. Reihen und Folgen; s. a. Summabilitätstheorie; s. a. Taubersche Sätze) Boas** 18, 254; Burdette 20, 376; Cameron and Martin 19, 71; Cannon 17, 253; Chow 18, 17, 120; Ciorănescu 18, 410; Delange 18, 222; Dubois 17, 24; Edrei 16, 33; Fejér 16, 108;



- Gelfond et Toidzé 18, 142; Gernet 16, 57; Hadwiger 18, 222; Hardy and Littlewood 17, 162; Hurt and Ford 17, 207; Kac 20, 376; Karamata 19, 113; Keldych et Lavrentieff 17, 207; Ketchum 16, 64; 17, 217; 20, 138; Ketchum and Ketchum 18, 139; Korovkin 16, 209; Košljakov 16, 207; Lammel 16, 20, 362; 18, 144; 19, 313; 20, 232; Lavrentieff 17, ●206; Lipka 16, 124; Littlewood and Paley 16, 301; Marcinkiewicz und Zygmund 19, 270; 20, 231; Martin und Wiener 19, 34; Mayr 18, 351; Montel 16, 264; 18, 140; Morant 18, 260; 20, 137; Perron 20, 232; Petrovich 18, 139, 153; Pitt 18, 17; Pólya 20, 234, 310; Raikov 19, 249; Randels 18, 117; Sedgewick 17, 172; Seybold 16, 21; Simonart 19, 15; Turán 19, 17; Whittaker 19, 417; Wiener 19, 34; Wilson 16, 308; Zygmund 19, 16.
- Quasianalytische Funktionen** Flamant 17, 364; 18, 144; Izumi und Kawata 17, 312; Mandelbrojt 17, 18; Manià 16, 363; 17, 26, 122; Mazurkiewicz 18, 134; Mazurkiewicz et Szmuskowiczówna 16, 311; Pedrini 18, 257; Robinson 19, 71; Takenaka 19, 15; Trjitzinsky 19, 422; Wiener 19, 34.
- Quasi-, pseudokonforme Abbildung** Lavrentieff 19, 403; Teichmüller 20, 238.
- Ränderzuordnung** Cannon 20, 232; Gattegno 20, 239; McShane 16, 266; Ostrowski 20, 238; Unkelbach 16, 216; Warschawski 16, 407.
- Randwertaufgaben** Fejér 16, 301; Hachoff 17, 409; Jakob 19, 421; Kakeya 19, 272; Keldych et Sedov 17, 116; Nevanlinna 20, 29; Tomotika 16, 363; Unkelbach 18, 224; Vasilescu 20, ●229.
- Riemannsche Flächen** (s. a. *Topologie, Überlagerungsflächen*) Ahlfors 17, 36; 18, 262; Barbilian 19, 314; Blanc 17, 120; 18, 369; 19, 421; Drape 16, 81; Fedoroff 20, 36; Kakutani 17, 74; Kobayashi 19, 70; Koebe 18, 369; Kufareff 17, 73; Macintyre 19, 419; Radojčić 20, 140; Speiser 18, 369; Stoilow 19, 272, 421; Teichmüller 16, 407; 20, 238; Valiron 20, 237; Zariski 16, 325.
- Schlichte Funktionen** Ballieu 18, 143; 19, 69; Basilewitsch 18, 144; 19, 271; Bermant 19, 124; Bieberbach 18, 29; Fritsch 17, 122; Golusin 17, 121; 18, 144; 19, 171; Hibbert 17, 363; 20, 140; Joh 17, 408; 19, 271; Kimura 16, 407; Kobori 20, 142; Koritzky 20, 375; Lavrentieff 16, 169, 217; Lavrentieff et Chepeleff 17, 173; Littlewood 18, 261; Montel 17, 24; 20, 237; Noshiro 17, 407; Peschl 16, 35; Robertson 16, 126; 18, 315; 20, 141; Rosenblatt 19, 272; 20, 141; Satō 17, 216; Schiffer 17, 270; 19, 222; Stoilow 19, 421; Tchakaloff 17, 216, 270; Walsh 16, 310; Walsh und Seidel 19, 171; Warschawski 16, 407.
- Verallgemeinerungen** Bruwier 16, 363; Carbonaro 17, 218; Cherubino 16, 65; 19, 223; Fedoroff 18, 29; Ferraro 18, 316; Fuchs 19, 423; Fueter 17, 76; 18, 316; 19, 174; Golab 19, 174; Jensen und Holl 16, 257; Kakutani 18, 262; Kasner 19, 422; Kondó 16, 311; Manià 20, 37; Nisigaki 18, 154; 20, 240; Reade und Beckenbach 20, 312; Schiffer 19, 222, 223; Schnirelmann 20, 291; Schuler 19, 174; Spampinato 16, 198; 17, 217; Taylor 16, 64; 17, 263; 18, 313, 365; Trjitzinsky 19, 173; Vignaux 16, 35; 18, 262; 19, 272; 20, 38; Wagner 17, 148.
- Wertverteilung** Ahlfors 18, 410; Ahlfors und Grunsky 16, 309; Carlson 19, 221; Cell 16, 125; Chuang 16, 309, 362; 18, 143; 20, 139; Dinghas 19, 172, 421; Dufresnoy 20, 236, 237; Epstein 20, 235; Ganapathy Iyer 19, 221; Grünwald und Turán 17, 23; Jørgensen 18, 409; Macintyre 19, 419; Maruyama 16, 264; Milloux 16, 218; 19, 70; Onicescu 19, 411; Pfluger 19, 33; Rauch 20, 235; Robinson 20, 378; Rogosinski 20, 140; Satō 19, 313; Teichmüller 16, 266; 20, 235, 238; Ullrich 16, 34; Weyl 19, 172.

**Galoissche Theorie** s. *Körpertheorie, Ringe* usw.; s. *Polynome und algebraische Gleichungen, klassische Galoissche Theorie*.

**Gammafunktion** s. *Spezielle Funktionen, Gammafunktion*.

**Ganze Funktionen** s. *Funktionentheorie, ganze Funktionen*.

**Geodäsie** (s. a. *Wahrscheinlichkeitsrechnung, Fehlerrechnung, Ausgleichung*) Adams 16, 417; König 20, 376; Schmidt 20, 310.

**Geometrie, allgemeine metrische** s. *Mengentheoretische Geometrie, allgemeine metrische Geometrie*.

**Geometrie der Massen** (s. a. *Konvexe Körper und Verwandtes*) Becqué 20, 78; Bilimovitch 16, 85; Conte 18, 229; Grüss 16, 273; John 17, 37; Vincze 18, 379; Wolkowitsch 17, 322; 19, 180.

**Geometrie der Zahlen** s. *Diophantische Approximationen*; s. *Zahlentheorie, Geometrie der Zahlen*; s. *Zahlentheorie, Gitterpunktsanzahlen*.

**Geometrische Optik** s. *Optik, klassische, geometrische Optik*.

**Geometrische Wahrscheinlichkeiten** s. *Integralgeometrie, geometrische Wahrscheinlichkeiten*.

**Geschichte der Astronomie** Collinder 18, 339; Datta 19, 100; Dittrich 17, 385; 19, 100; Dunnigton 17, 50; Gauss 17, 50; Jelitai 18, 340; Ludendorff 16, 386; 19, 100; Lundmark 16, 146; 18, 339; Masotti 16, 385; Neugebauer 16, 385; 18, 49; 19, 99, 100; Neugebauer und Volter 19, 99; Nikolitch 19, 387; Perrier 16, 146; Rome 16, 385; 18, 50, 195; Rosen 18, 197; Schiffer 16, 146; Schmidt 16, 146; Subramani Iyer 19, 100.

**Geschichte der Mathematik** Cipolla 16, 197; Enriques e de Santillana 18, ●339; Kowalewski 17, ●385; Loria 20, 197; Scholz 17, 146; Tropicke 16, ●145.

**Altertum und Mittelalter** Becker 18, 49; Bortolotti 16, 145; 17, 289; 18, 339; 20, 196; Brusotti 19, 243; Carruccio 19, 387; Conte 19, 99; 20, 196; Dehn 16, 196; Euklid 17, 50; Falckenberg

- 18, 195; Gandz 17, 289; 18, 195; 19, 387; Kowalewski 19, 387; Luckey 17, 289; Mattingly 18, 195; Neugebauer 16, 145, 385; 18, 49, 339; Renaud 17, 50; Schultze 17, 289; Thae 17, 50; Thureau-Dangin 16, 195; Vogel 16, 196; 20, 195; van der Waerden 18, 339; 19, 242.
- Neuere Zeit** Archibald 19, ●243; Auchter 16, 197; Bell 19, 243, 389; Beretta 19, 388; Bieberbach 19, ●388; Birkhoff 19, 243; Bunge 18, 50; Calleri 18, 340; Cantor und Dedekind 17, 385; Carathéodory 18, 196; Cassirer 17, 50; Cauchy 18, 340; Cavallaro 20, 196; de Donder et Pelsener 17, 290; Douglas 19, 218; Dunnington 17, 50; Fueter 19, 388; Funkhouser 18, 195; Gauss 17, 50; Hardy 16, 145; Hárs 18, 340; Heegaard 16, 197; Hofmann 19, 100; Jelitai 17, 290, 385; Jong and Hope-Jones 19, 101; Kloyda 18, 197; Langer 17, 290; Lebesgue 16, 145; Lorey 19, ●389; Loria 16, 145; 18, 50; 19, 100; Mieli 20, 196; van Rooijen 17, 50; Saltykow 16, 145; 18, 340; Sarton and Brinkhoff 18, 197; Schogt 19, 388; Schrecker 16, 145; Sergescu 17, 290; v. Szénassy 17, 290; Turrière 17, 50; Vacca 19, 243.
- Indien, Ostasien und Maya** Datta und Singh 19, ●243; Dittrich 17, 385; Hayashi 17, 290.
- Biographisches** Bell 19, 389; Colacevich 20, 197; Ducassé 20, 371; Engel 19, 389; Fisher 20, 148; Hardy und Heilbronn 19, 389; Jeffery 19, 389; Jelitai 19, 389; Lorey 19, ●389; Richmond 20, 197; Saussure 19, 180; van der Waerden 20, 197.
- Geschichte der Physik** Boegehold 18, 50; de Broglie 16, 146; Frank 19, 389; Larmor 16, 146; Ver Eecke 19, ●242.
- Gestalt der Himmelskörper s. Mechanik, Gestalt der Himmelskörper, Gleichgewichtsfiguren.*  
*Gezeiten s. Mechanik, Gestalt der Himmelskörper, Gleichgewichtsfiguren.*  
*Gitterpunkte s. Zahlentheorie, Geometrie der Zahlen; s. Zahlentheorie, Gitterpunktszahlen.*  
*Gleichgewichtsfiguren s. Mechanik, Gestalt der Himmelskörper, Gleichgewichtsfiguren.*  
*Gleichungen, algebraische s. Lineare Algebra, Matrizen und Determinanten; s. Numerische und graphische Methoden, numerische Auflösung von Gleichungen und Gleichungssystemen; s. Polynome und algebraische Gleichungen.*  
*Gleichungen, diophantische s. Zahlentheorie, diophantische Gleichungen.*  
*Graphen s. Topologie, Graphen, Farbenprobleme.*  
*Gravitationstheorie s. Relativitätstheorie, Gravitationstheorie.*
- Grundlagen der Analysis** (s. a. Mengenlehre, Grundlagen) Blumberg 16, 54; Foster 18, 338; Gentzen 19, 97, 241, ●241; Lennes 18, 97; Lindenbaum und Mostowski 19, 295; v. Seckendorff 17, 156; Tarski 19, 241; Watson 19, 241.
- Grundlagen der Geometrie** (s. a. Elementargeometrie und Konstruktionen, Konstruierbarkeitsfragen; s. a. Mengen-theoretische Geometrie) Alt und Menger 16, 268; Baldus 19, 386; Bosch 16, 268; Busemann 18, 173; Carathéodory 20, 201; Cassina 17, 81; Davatz 19, 371; Gentzen 19, 97; Hilbert u. Bernays 20, ●193; Irmer 18, 162; Le Roux 17, 392; Malengreau 18, ●419; v. Neumann 16, 50; Roth 17, ●368; Sintsoff 19, 179; Sperner 19, ●179; Watson 19, 241.
- Projektive Geometrie** Alt und Menger 16, 268; de Cesare 18, 267; Fano 17, 369; Glagoleff 19, 386; Köthe 17, 148; Menger 19, 133; 20, 158; Nakasawa 16, 37; Ott 16, 37; Steck 16, 176, 268; 17, 81, 368; 19, 133.
- Grundlagen der Mathematik s. Grundlagen der Analysis; s. Grundlagen der Geometrie; s. Logik; s. Mengenlehre, Grundlagen; s. Philosophie der Mathematik.*
- Gruppentheorie** Baer 17, 154; 20, 8, 347; Boggs und Rainich 16, 155; Delsarte 16, 304; Dietzmann 16, 294; 17, 298; Dietzmann, Kurosch u. Uzkow 18, 392; Drescher und Ore 19, 107; Fitting 16, 293; 17, 292; Gentry 18, 271; George 20, 207; Griffiths 18, 393; Grouhko 19, 156; Hausmann und Ore 17, 391; Hille 18, 366; Hirsch 19, 156; 18, 145; Hopkins 19, 200; Keller 20, 206; Kořinek 16, 350; 18, 391; 19, 398; Kuntzmann 16, 340; 17, 3; Kurosch 18, 11; Magnus 16, 202, 294; Miller 17, 58; 18, 11, 145; 19, 254, ●396; Murdoch 20, 347; Nakayama 18, 297; Neumann 16, 295, 351, 393; Ore 16, 203, 351; 20, 348; Pich 19, 251; Schreier u. Ulam 16, 203; Schumann 16, 103, 294; Sinkov 17, 57, 154; Speiser 17, ●153; Thrall 18, 391; Tschernikow 19, 200; Turing 18, 392; Turkin et Dubuque 17, 154; 19, 200; Uzkow 20, 206; Vaidyanathaswamy 16, 101; Vandiver 17, 391; Venkatarayudu 17, 340; Wall 16, 103; Weyl 20, ●206; Zassenhaus 18, ●9; Zorn 20, 8.
- Abelsche Gruppen** Baer 16, 14, 203; 18, 3; Bernstein 18, 101; Derry 18, 205; Fomin 18, 11; Freudenthal 18, 392; Hall 19, 397; Kořinek 19, 398; Kurosch 16, 15; Ljapin 19, 53; Lombardo-Radice 20, 341; MacLane 19, 392; Mizoguti 20, 31; Oldenburger 20, 208; Powsner 19, 155; Rabinow 16, 14; v. Sz. Nagy 16, 350; Tarski 19, 52; Ulm 17, 99; Venkatarayudu 16, 393; 17, 58; 18, 291; Ward 17, 387; Whitney 19, 398.
- Darstellungstheorie** Asano, Osima u. Takahasi 17, 7; Birkhoff 16, 244; Brauer 16, 295; Brauer und Nesbitt 18, 295; Cartan 18, 147; Clifford 16, 14; 17, 297; Frame 16, 14; Freudenthal 18, 392; Gantmacher 19, 290; Grün 20, 9; Kulakoff 17, 155; 18, 10, 392; 20, 295; Littlewood 16, 394; Mann 17, 59; Murnaghan 17, 155, 297, 391; 18, 297, 391; 19, 251; Nakayama 20, 341; Osima 18, 146; 19, 197; Pontrjagin 16, 203; Racah 17, 59; de B. Robinson 17, 6; 19, 251; Schur 16, ●13; Scorza 20, 199; Shoda 19, 397; Specht 16, 351; 17, 6, 199; 18, 204; v. Sz. Nagy 16, 350; Weyl 20, ●206; Wigner 20, 296; Yamanouchi 16, 293; Yosida 17, 299.
- Endliche Gruppen** Amato 18, 145; Baer 20, 347; Brauer und Nesbitt 18, 295; Carmichael 19, ●197; Coxeter 17, 6; 20, 207; Dubuque 18, 204; 20, 208; Easterfield 19, 108; Fitting 19,



198; Frame 16, 14, 156; 19, 366; Grün 20, 9; Gruner 17, 297; Hall 16, 392, 393; 17, 154; 18, 10, 145; Hopkins 16, 155; Kochendörffer 16, 293; Koliankowsky 19, 108; Kulakoff 17, 155; 18, 10, 392; 19, 155; Lewis 17, 297; 19, 53; Liermann 20, 346; Ljapin 17, 58; 19, 199; Magnus 16, 202; Miller 16, 293, 350, 393; 17, 199, 297; 18, 11, 391; 19, 397; 20, 208; Møllerup 16, 293; Murnaghan 17, 155; 18, 297; Nakayama 18, 297; Piccard 19, 396; de B. Robinson 17, 6; Rohrbach 16, 156; Scorza 17, 339; Shoda 19, 397; Sigley 20, 9; Steck 19, 323; Strom 16, 292; Sugastume Berra 19, 156; Taketa 17, 58; Tchounikhin 18, 145; Turkin 18, 10; 19, 199, 397; Turkin et Dubuque 20, 208; Venkatarayudu 16, 393; 17, 58; 18, 291; Weisner 20, 294; Weyl 16, 393; Witt 19, 251; Yamada 18, 391; Zakon 19, 53; Zappa 19, 53, 396; 20, 207.

**Kontinuierliche Gruppen** (s. a. *Berührungstransformationen*) Barrett 20, 348; Birkhoff 16, 15, 204, 244; 18, 205; Brauer 16, 295; 17, 391; Cartan 16, 104; 17, 232; 18, 147, 272, ●298, 402; 19, 399; Delsarte 20, 368; Engel 20, 295; Jacobson 16, 150, 200; 17, 292; 18, 103; Justice 16, 255; Kasner and de Cicco 19, 275; Kowalewski 19, 232; 20, 295; Landherr 18, 291; Michal and Paxson 18, 133; de Mira Fernandes 20, 25; Montgomery and Zippin 16, 103; Potron 18, ●392; Rees 19, 157; Robinson 17, 228; Toyoda 17, 209; 19, 157; Tschebotaröw 19, 108, 399; Turing 18, 298; Whitehead 17, 200; Witt 16, 244; Yosida 17, 298; 18, 298; 19, 157, 290; Zorn 17, 3.

**Lineare Gruppen** (s. a. *Elementargeometrie und Konstruktionen*, *Polyeder und reguläre Raumeinteilung*; s. a. *Elliptische Funktionen und Verwandtes*, *automorphe und Modulfunktionen*; s. a. *Kristallographie*) Brenner 19, 53; Burckhardt 16, 394; Cartan 17, 232; Coble 17, 58; Coxeter 17, 6; Dehn 19, 253; Doliwo-Dobrowsky 17, 155; Heemert 19, 89; Kakutani 19, 297; Kodaira 19, 282; Kuratowski 19, 399; Landau 17, 235; Le Roux 17, 392; Lewis 17, 155, 297; Livenson 17, 392; Mayer 19, 252; Montgomery 17, 299; Petersson 18, 63; Sinkov 19, 53; Specht 16, 351; 17, 199; Sugawara 19, 200; Turri 19, 54; Weyl 16, 393; Whitney 19, 398; Winger 17, 278; Yosida 17, 299.

**Topologische Gruppen, Metrisierung** (s. a. *Körpertheorie*, *Ringe usw.*, *topologische Algebra*) Cartan 16, 104; Freudenthal 16, 280, 281; van Kampen 16, 304; Komatu 20, 78; Michal and Paxson 18, 133; Montgomery and Zippin 20, 9, 295; v. Neumann 18, 298; Pontrjagin 16, 203; Tannaka 20, 9; Yosida 18, 393.

*Harmonische Analyse* s. *Numerische und graphische Methoden*, *harmonische Analyse*.

*Harmonische Funktionen* s. *Potentialtheorie*.

*Harmonisches Maß* s. *Funktionentheorie*, *Harmonisches Maß*; s. *Potentialtheorie*, *Harmonisches Maß*, *Kapazitätskonstante*.

*Heavisidekalkül* s. *Operatorenkalkül*.

*Hilbertscher Raum* s. *Funktionalanalysis*, *lineare und Funktionenräume*; s. *Integralgleichungen*, *unendlich viele Variable*.

*Himmelsmechanik* s. *Mechanik*.

*Hydromechanik* s. *Mechanik*, *Kontinuumsmechanik*.

*Hyperbolische Differentialgleichungen* s. *Differentialgleichungen*, *partielle*, *hyperbolische Differentialgleichungen*.

*Hypergeometrische Funktionen* s. *Spezielle Funktionen*, *hypergeometrische Funktionen*.

*Hyperkomplexe Systeme* s. *Funktionentheorie*, *Verallgemeinerungen*; s. *Körpertheorie*, *Ringe usw.*, *hyperkomplexe Systeme*.

*Idealtheorie* s. *Körpertheorie*, *Ringe usw.*

**Integralgeometrie, geometrische Wahrscheinlichkeiten** Berwald 16, 374; Berwald u. Varga 16, 374; Blaschke 16, 43, 137, ●277; 19, 328; 20, 78; Borel 18, 154; Gericke 16, 137; Hadwiger 20, 262; Haimovici 16, 44; Kagan 17, 328; Kärtesz u. Levi 17, 369; Kermack and McKendrick 18, 155; Knothe 17, 426; Maak 16, 79; 18, 42; 20, 261; Santaló 16, 43; 18, 176; Segre 17, 328; Sibirani 16, 129; Väisälä 20, 403; Varga 20, 402; Wu 17, 189; 18, 43.

**Integralgleichungen** (s. a. *Funktionalanalysis*; s. a. *Integraltransformationen*; s. a. *Numerische und graphische Methoden*, *Num. und gr. Behandlung von Differential- und Integralgleichungen*) Bergmann 17, 75; Bucerius 19, 218; Caccioppoli 16, 361; Cimmino 17, 214; Cinquini 17, 168; Dressel 16, 403; Drinfeld 16, 258; Frola 17, 71; 18, 218; Gernay 17, 259; Ghermanescu 17, 404; 20, 131; Giraud 16, 166; 17, 71; 18, 67, 132; Goldstine 17, 264; Golomb 17, 404; 18, 465; Gunther 16, 29; 18, 132; 20, 131, 364; Hamel 17, ●311; Hostinský 17, 312; Karas 17, 262; Krein 18, 217; 19, 412; Lévy 17, 357; Lewitan 17, 357; Lotkin 18, 66; Michlin 16, 29; 19, 28, 413; Miranda 17, 356; 19, 412; Monteiro 16, 258; 20, 131; Newing 17, 70; Niemtzki 16, 360; Okamura 17, 71; Ostrowski 19, 28; Pérès 16, 28; Picone 18, 257; 20, 127; Pogorzelski 20, 365; Popovici 17, 214; 312; 18, 67, 133; 19, 412; Roodyj 19, 28; Sakurai 18, 67; Šerman 19, 218; Shabde 19, 57; Siddiqi 17, 168; Smirnov 19, 168; Smith 18, 128; Smithies 17, 356; Sundaram 19, 413; Temliakow 20, 30; Tino 20, 365; Tautz 16, 166, 258; 20, 132.

**Integro-Differentialgleichungen** Cassina 17, 18; 20, 132; Delsarte 16, 27; Gernay 16, 29, 116;

17, 18; Halpern, Lueneburg and Clark 18, 310; Hebroni 20, 23, 132; Hostinský 17, 111; Kriehl 19, 413; Lichtenstein 19, 321; Neronoff 19, 306; Popovici 18, 133; Reid 19, 28; Soboleff 18, 67, 133, 364.

**Spezielle Integralgleichungen** Arrighi 17, 221; Berger 20, 242; Bucerius 18, 363; Busbridge 19, 28; Cooper 20, 131; Efross 19, 264; Erdélyi 18, 255; Feldheim 16, 29; Fortet 18, 132; Hadwiger 19, 177; Householder 20, 304; Izumi 16, 60; Koeppler 20, 30; Kupradze 16, 214; Legras 18, 218; Lettowsky 20, 81; Magnaradze 17, 212; 19, 308; Michlin 17, 168; Mindlin 20, 230; Mohan and Shastry 19, 114; Muschelišvili 16, 359; Ornstein 16, 59; Oseen 16, 214; Pankraz 18, 66; Roodyj 16, 258; Rosenblatt 16, 216; Šerman 19, 349; Sharma 16, 162; Šohnen 20, 362; Szegő 16, 399; Touchard 20, 365; Vécoua 17, 213; Whitmore 20, 363; Zwinggi 20, 48.

**Unendlich viele Variable** (s. a. *Funktionalanalysis, lineare und Funktionenräume*) Cimmino 17, 214; Cohen and Dunford 18, 71; Eidelheit 17, 118; 18, 135; 19, 412; Gołab 18, 135; Julia 18, 312; Ketchum 20, 138; Köthe 18, 311; Lemaître Godart 18, 151; Linfoot and Shepherd 20, 365; Pólya 20, 310; Raff 19, 160; Siddiqi 17, 168; Ulm 17, 99; Wintner 16, 404.

*Integralinvarianten s. Invariantentheorie, Differential- und Integralinvarianten.*

**Integraltransformationen** (s. a. *Integralgleichungen; s. a. Operatorenkalkül; s. a. Taubersche Sätze*) Boas and Widder 20, 133; Bochner and Izumi 16, 116; Busbridge 19, 29; Condon 16, 259; Delsarte 17, 212; Dhar 20, 219; Doetsch 16, 116; Erdélyi 16, 404; Feldheim 19, 114; Florian 17, 313; Guinand 18, 132, 363; Günther 16, 116; Howell 18, 255; Kawata 17, 72; 19, 413; Kober 17, 169; 18, 362; 19, 265; Maeda 16, 403; Mehrotra and Shastry 16, 398; 18, 131; Northrop 16, 60; Palamà 17, 169; Plancherel 17, 169; 18, 68; Raff 16, 360; Sastry 20, 357; Smithies 17, 357; Takenaka 19, 15; Titchmarsh 19, 204; Tricomi 20, 39; Varma 17, 110; Widder 18, 131.

**Fourierintegrale** Agnew 16, 157; Boas 17, 72; Boas and Smithies 19, 265; Bochner 18, 130; 19, 224; Condon 16, 259; Gnedenko 18, 318; Gorny 18, 130; Hallén 19, 119; Hardy 16, 258; 18, 130; Hartman and Kershner 18, 218; Haviland 17, 358; Haviland and Wintner 16, 17; Hua and Shü 17, 72; Izumi and Kawata 17, 312; Kac 19, 29; Karamata 17, 358; Kawata 16, 259; 18, 362; 19, 265; Khintchine 18, 316, 317; Kniess 19, 23; Kober 17, 169; Lewitan 18, 68; Macphail and Titchmarsh 16, 29; Mandelbrojt 17, 18; Manià 17, 26; Offord 16, 298; Ogasawara 19, 29; Plancherel 17, 169; Plancherel et Pólya 16, 360; 18, 152; Pollard 16, 404; Sakurai 16, 61; Schönberg 18, 362; Smirnov 19, 168; Titchmarsh 17, 404; Varma 19, 212; Weible 19, 265; Wiener and Pitt 19, 168; Wiener and Wintner 19, 169.

**Laplaceintegrale** Amerio 17, 19; 19, 114; 20, 30; Avakumović 16, 117, 160; 20, 16; Ballou 16, 61; Bateman 16, 399; Belardinelli 20, 300; Biggeri 17, 312; Bochner 17, 365; Bremekamp 17, 357; Carlslaw and Jaeger 19, 349; Churchill 16, 259; 17, 358; 18, 363; 19, 30; Constantinesco 20, 122; Doetsch 16, 260; 18, 312; Durañona y Vedia and Trejo 19, 161; Erdélyi 18, 308; Fischer 17, 396; Fubini Ghiron 18, 362; Ghizzetti 20, 303; González Domínguez 18, 218; Hille 19, 169; Howell 17, 396; Humbert 18, 130; Husini 19, 320; Ignatovskij 16, 259; 17, 19; 18, 130; 19, 29; Ito 16, 259; Levi 16, 116; Macintyre 20, 377; Miranda 18, 68; Palamà 18, 68; 19, 212; 20, 132; Petrovitch 16, 404; Picone 20, 360; Pipes 18, 218; 309; Thielman 20, 30; Tricomi 17, 358; Vignaux 19, 265; Widder and Wiener 19, 169.

**Interpolationen** (s. a. *Approximation von Funktionen; s. a. Differenzenrechnung; s. a. Numerische und graphische Methoden*) Aitken 19, 132; Camp 19, 132; Cannon 17, 253; 20, 232; Dasen 19, 36; Erdős and Grunwald 18, 118; 19, 111; Erdős and Lengyel 20, 12; Erdős and Turan 16, 106; 19, 404; Feldheim 16, 396; 17, 347; 19, 13; Gelfond 20, 311; Gontcharoff 18, 74; Grünwald und Turan 18, 252; Heins 18, 410; Kašanin 20, 12; Kitagawa 19, 205; Knoll 16, 396; Kobbernagel 16, 174; Kotliansky 16, 362; Lammell 17, 252; 18, 144; Lanczos 20, 13; Leja 18, 302; Lidstone 16, 174; Marcinkiewicz 16, 19, 106; 20, 212; Pennyuck 17, 252; Pflanz 17, 393; Pólya 20, 310; Rémès 17, 63; Roberts 16, 174; Shohat 18, 119; Stevens 19, 425; Walsh 19, 404; Wilson 18, 161.

**Intuitionismus** Belinfante 19, 98; Birkhoff 20, 195; Curry 20, 337; Gentzen 19, 241; Goodstein 20, 99; Heyting 20, 338; Moisil 18, 337; Stone 18, 3; Tarski 20, 337.

**Invariantentheorie** (s. a. *Differentialgeometrie, Tensorkalkül*) Calugaréano 18, 341; 20, 198; Campbell 17, 194; Chatterji and Dasgupta 17, 193; Clemow 17, 322; Neikirk 18, 199; Seetharaman 20, 301; Temple 16, 199; Turnbull 16, 289; Weitzenböck 16, 241, 242; 17, 243, 386; 18, 100, 242, 341; 19, 2; 20, 389; Weyl 20, 206.

**Differential- und Integralinvarianten** (s. a. *Differentialgleichungen, partielle, Differentialformen, Pfaßches Problem; s. a. Gruppentheorie, kontinuierliche Gruppen*) Akeley 16, 4; Cartan 18, 402; Cramlet 18, 359; Drinfeld 19, 24; Lewis 16, 259; Michal and Hyers 20, 369; Moisseiev 18, 406; Molenaar 18, 290; 19, 2; 20, 340; Paquet 16, 263; Seetharaman 16, 42; Taylor 16, 212; Temple 16, 199; Toyoda 19, 157; Tschebotareff 19, 399; Varga 20, 402.

*Irrationalzahlen s. Transzendenzprobleme und Approximationen.*

*Irreduzibilitätsfragen s. Polynome und algebraische Gleichungen, Irreduzibilitätsfragen.*



**Kapazitätskonstante** s. *Potentialtheorie, Harmonisches Maß, Kapazitätskonstante.*

**Kausalität** s. *Philosophie der Physik.*

**Kernphysik** s. *Quantentheorie, Kernphysik.*

**Kettenbrüche** (s. a. *Verteilungsfunktionen, Momentenproblem*) Beretta 19, 388; Blumer 17, 248; 18, 8; 19, 155; Bradshaw 19, 209; Darwin 17, 62; Denjoy 18, 346; Erdős and Mahler 20, 294; Fistié 17, 104; Ford 19, 395; Hofreiter 19, 106; Hummel 16, 49; Jordan and Leighton 19, 399; Koksma 18, 53; Krishnaswami Ayyangar 19, 155; Lehmer 18, 292; 19, 9; Leighton 20, 211; Lettenmeyer 18, 112; Morimoto 20, 7; Oppenheim 19, 105; Wall 18, 396.

**Kinematik** s. *Differentialgeometrie, Kinematik; s. Mechanik, Kinematik.*

**Kinetische Theorie der Materie** (s. a. *Mechanik, statistische Mechanik; s. a. Quantentheorie; s. a. Thermodynamik; s. a. Wahrscheinlichkeitsrechnung*) Boneff 17, 234; Born 17, 413; Born and Fuchs 19, 320; Condon 20, 42; Donder 19, 320, ●360; Fowler 16, ●172; Hostinský 19, 320; Husimi 19, 319, 320; de Kármán and Howarth 18, 158; Kramers 18, 159; Lichtenstein 19, 320; Lubberger 16, ●315; Lucas 20, 44; Peter 20, 42; Polvani 17, 412; Tolman 19, ●359; Waldmann 17, 413; Wassmuth 18, 321.

**Brownische Bewegung** Le Boiteux et Tchao 20, 43; Marcinkiewicz 20, 381; Niessen u. Bakker 20, 43.

**Diffusionsprobleme** Archibald 20, 43; Epstein 16, 115; Hadwiger 16, 173; Hostinský 18, 414; Kolmogoroff, Pretovskij et Piscounoff 18, 321; Landahl 20, 152; Reiner 20, 151; Schwerdtfeger 16, 115; Young and Reiner 20, 151.

**Elektrolyte und Lösungen** —.

**Klassenkörper** s. *Körpertheorie, Ringe usw., Klassenkörper.*

**Kleinste Quadrate** s. *Wahrscheinlichkeitsrechnung, Fehlerrechnung, Ausgleichung.*

**Kombinatorik** Andersen 20, 209; Ciamberlini e Marengoni 18, 197; Denk 17, 338; Freydenberg 16, 289; Pólya 17, 232; de Possel 16, 66; Sprague 17, 146; Stams 18, 11; Wall 19, 10.

**Kombinatorische Topologie** s. *Topologie, Komplexe und Polyeder.*

**Komplexe Multiplikation** s. *Elliptische Funktionen und Verwandtes, komplexe Multiplikation.*

**Konfigurationen** s. *Analytische und projektive Geometrie, Konfigurationen.*

**Konforme Abbildung** s. *Funktionentheorie, konforme Abbildung.*

**Konstruktionen** s. *Elementargeometrie und Konstruktionen, Konstruierbarkeitsfragen.*

**Kontinua endlicher Ordnung** s. *Konvexe Körper und Verwandtes; s. Mengentheoretische Geometrie, Theorie geometrischer Gebilde bez. gegebener Realitätsordnung.*

**Kontinuierliche Gruppen** s. *Gruppentheorie, kontinuierliche Gruppen.*

**Konvergenz im Mittel** s. *Approximation von Funktionen, Konvergenz im Mittel.*

**Konvexe Funktionen** s. *Mittelwerte und Ungleichungen; s. Reelle Funktionen, konvexe Funktionen.*

**Konvexe Körper und Verwandtes** (s. a. *Differentialgeometrie, relative Differentialgeometrie; s. a. Elementargeometrie und Konstruktionen, Polyeder und reguläre Raumeinteilung; s. a. Integralgeometrie, geometrische Wahrscheinlichkeiten; s. a. Mengentheoretische Geometrie, Theorie geometrischer Gebilde bez. gegebener Realitätsordnung*) Ader 19, 87; Aimond 17, 376; Alexandroff 16, 137; 17, 426; 18, 276, 424; 19, 81, 328; 20, 402; Alt 16, 374; Aronszajn 18, 174; Auerbach 18, 175; Behrend 18, 175; Berwald 16, 374; Berwald u. Varga 16, 374; Blaschke 16, 137; 18, 234, 331; Bohnenblust 19, 141; Bol 18, 331; Bose 17, 188; Bückner 16, 228; 17, 188; Bundgaard u. Duerlund 16, 136; Buter 20, 76; van der Corput 20, 76; Delone 16, 228; Dines 18, 275; Favard 20, 261; Fejes 20, 77, 401; Fenchel u. Jessen 18, 424; Gericke 16, 137; 17, 90; Godbersen 20, 77; Görtler 17, 189; 18, 379; Graustein and Jackson 17, 327; Heine 17, 230; Hopf u. Samelson 18, 238; Inzinger 18, 378; John 17, 37; Kakutani 17, 23; van Kampen 17, 63; Kershner 16, 228; Kneser 17, 230; Knothe 16, 181; 17, 426; 19, 87; Kritikos 20, 77; Kubota 17, 188; La Menza 19, 1; 20, 198; Lewy 18, 88, 174; Lieberman 19, 140; Löbell 20, 77; Lusternik 16, 228; Maccaferri 19, 329; Mahler 19, 51; Matsu-mura 16, 417; Mayer 19, 140; v. Neumann 17, 39, 98; Nöbeling 17, 90; Pál 16, 136; Pasqua-lini 16, 43, 228; Pauc 18, 174; Pipping 17, 326; Price 16, 229; Rémès 19, 329; Robinson 18, 175; Sas 20, 402; Schmidt 20, 373; Segre 18, 275; Szász 17, 369; Vanek 17, 326; Vincensini 16, 228, 278, 374; 17, 230; 18, 42, 175; Vincez 18, 379; Wajnstejn 19, 140; Wu 18, 43; Yü 20, 163.

**Körpertheorie, Ringe usw.** (s. a. *Differentialgleichungen, gewöhnliche, algebraische Differentialgleichungen, formale Theorie; s. a. Eliminationstheorie; s. a. Elliptische Funktionen und Verwandtes, komplexe Multiplikation; s. a. Lineare Algebra, Matrizen und Determinanten; s. a. Polynome und algebraische Gleichungen; s. a. Riemannsche Matrizen*) Albert 17, ●292; 18, 342; 19, ●147; Asano u. Nakayama 18, 4; Asano, Osima u. Takahasi 17, 7; Baer 16, 340; 18, 3; Bernstein 18, 101; Borůvka 17, 3; 18, 101; Carlitz 17, 195; Christensen 16, 387; Dribin 19, 50; 20, 1; van Dantzig 16, 149; Dubreil et Dubreil-Jacotin 17, 387; 18, 101; Fenchel 16, 392; Fitting 17, 292; Furtwängler u. Taussky 16, 100; Gleyzal 17, 293; Grave 20, ●197; Haantjes 17, 53; Hall 19, 193; Hopkins 20, 1; Jacobson 17, 150; Kline 18, 101; König 19, 101; Krasner 18, 102, 202; 20, 200; Krull 19, 148, 289; 20, 340; Kuntzmann 16, 340; 17, 3; Landherr 18, 291; McCoy 20, 200; MacLane 19, 49, 392; Mazur 20, 201; Nakayama 17, 3; 19, 390; Rabinow 16, 340; Schilling 16, 245; 17, 294; Schmid 16, 52; Schnirelmann

- 20, 291; Serbin 20, 200; Shoda 17, 51; Steen 18, 69; Teichmüller 16, 51; Thurston 19, 147; Vandiver 17, 391; 20, 199; Venkatarayudu 17, 340; van der Waerden 16, ●339; Ward 17, 387; Witt 16, 51; Wolf 16, 5.
- Allgemeine Idealtheorie** Akizuki 16, 387; 19, 2; 20, 1; Batschelet 19, 148; Clifford 19, 194; Dodo 18, 200; Fitting 16, 50; 18, 290; Gröbner 18, 308, 330; Hirsch 18, 4; Kleinsorge 18, 388; Kodaira 18, 101; Krull 16, 340, 341; 17, 149; 19, 148; 20, 340; Levitzki 18, 290; McCoy 18, 342; Mori 18, 200; 20, 341; Mori u. Dodo 16, 4; 17, 149; 19, 245; v. Neumann 16, 50; 17, 148; Ritt 20, 200; Schumann 16, 294; Taussky 16, 50; Teichmüller 17, 100; Thomas 16, 304; Vaidyanathaswamy and Venkatarayudu 19, 245; Vandiver 17, 100; Ward 17, 194; 18, 200; Zariski 18, 201.
- Boolesche Algebren, Verbände** Baer 20, 347; Bernstein 20, 343; Birkhoff 16, 387; 17, 194; 20, 1; Blake 18, 386; 19, 386; Carathéodory 20, 201; Cartan 17, 243; 18, 3; Dilworth 18, 341; Duthie 19, 392; Glivenko 17, 339; Griffiths 18, 393; Hausmann and Ore 17, 391; Hoberman and McKinsey 17, 244; Klein 16, 387; 18, 341; 19, 371; 20, 343; Kötze 17, 148; McCoy and Montgomery 17, 244; McKinsey 17, 387; McNeille 17, 339; 20, 297; Maeda 19, 393; Mori 20, 342; Mostowski 16, 337; v. Neumann 16, 50; 17, 148; Nikodym 19, 298; Ore 16, 203, 351; 18, 290; 20, 348; Pankajam 16, 243; 20, 342; Stone 16, 182; 17, 135, 145, 339; 18, 3; 20, 342; Tarski 19, 241; Tarasaka 19, 391; 20, 78; Vaidyanathaswamy 17, 52; Wallman 16, 377; 18, 332; Ward 17, 194; 18, 199; 19, 289; Ward and Dilworth 18, 290; 20, 343; Whiteman 16, 338.
- Funktionenkörper** (s. a. *Algebraische Funktionen und Abelsche Integrale*; s. a. *Zahlentheorie, analytische Zahlentheorie in Zahl- und Funktionenkörpern*) Albert 19, 2; Beatty and Murdoch 16, 345; Brühl 19, 103; Chow 17, 340; Deuring 16, 346; Hasse 16, 388; 18, 343; Hasse u. Schmidt 17, 101; Jung 16, 388; Kawada 19, 247; Markoff 20, 103; Moriya 16, 344; 19, 247, 248; Schilling 20, 101, 291; Schmid 16, 53; 19, 3; Schmidt 17, 295; 20, 102; Suryanarayana 19, 104; Turri 20, 103; Weil 18, 63; 19, 247; Weissinger 18, 389; Zariski 17, 100.
- Galoisfelder** Campbell 17, 194; Carlitz 16, 148; 17, 4, 195; Mignosi 16, 149; Singer 19, 5; Tornheim 19, 3; Whiteman 17, 296.
- Hyperkomplexe Systeme** (s. a. *Funktionentheorie, Verallgemeinerungen*) Albert 17, 245; 19, 193, 246, 290; Alessi 20, 342; Birkhoff 16, 244; Brauer 17, 391; 19, 2; Brauer and Nesbitt 16, 341; Bruwier 16, 363; Carbonaro 17, 218; Delsarte 20, 368; Eichler 16, 52; 17, 150, 244; 18, 102, 202; 20, 2; Gantmacher 19, 290; Glivenko 16, 5; Herter 16, 100; Hull 16, 341; 20, 342; Ingraham 17, 244; 18, 292; Ingraham and Wolf 17, 99; Jacobson 16, 150, 200; 17, 292, 293; 18, 103; 19, 194; Kunzmann 20, 200; Landherr 18, 291; Latimer 16, 52; 17, 150; Lemaître 18, 45; Linnik 19, 2; Lombardo-Radice 20, 341; Lo Voi 17, 291; Maass 16, 243; McCoy 19, 392; Mercier 16, 165; Molien 17, 53; Moriya 16, 387; 19, 193; Nakayama 16, 342, 387; 17, 387; 20, 341; Nakayama and Nesbitt 19, 102; Nesbitt 19, 102; Nisigaki 18, 154; Nowlan and Hull 18, 103; Nowlan and Webber 20, 2; Ostertag 17, 93; Pall 20, 3; Petiau 17, 339; Rinehart 20, 1; Roubaud-Valette 18, 98; Schilling 16, 199, 342; Schilling u. Moriya 18, 103; Scorza 16, 100, 150; 17, 339; 20, 199; Shoda 16, 341; Spampinato 16, 198; 17, 217; 20, 392; Teichmüller 16, 52; Trost 18, 201; Tschebotarow 18, 51; Vaidyanathaswamy 16, 389; Vandiver 16, 5; Venkatarayudu 16, 393; 18, 291; 19, 246; Vorbeck 16, 100; Wajnsztein 18, 292, 386; 19, 290; Wedderburn 18, 103; 19, 246; Weyl 16, 393; 17, 53; Whitehead 17, 200; Witt 16, 51, 244; Yosida 19, 195, 290; 20, 200; Zorn 17, 3.
- Klassenkörper** Aigner 20, 291; Bergström 18, 104; Inaba 16, 152; Kawada 19, 247; Krasner 19, 290, 291; Moriya 16, 153, 344; 18, 343; 19, 247; Moriya u. Schilling 16, 345; Taussky 16, 200; Tschebotarow 18, 110; Schilling 16, 244, 245; 17, 294; 18, 103; 19, 103.
- Topologische Algebra** (s. a. *Gruppentheorie, topologische Gruppen, Metrisierung*) van Dantzig 16, 100, 149; Jacobson 17, 293; Murray and v. Neumann 17, 360; Yosida 18, 393.
- Zahlkörper** (s. a. *Zahlentheorie, analytische Zahlentheorie in Zahl- und Funktionenkörpern*) Albert 16, 150; 18, 51; Beatty and Murdoch 16, 345; Bergström 16, 344; 18, 104; Blaha 20, 201; Bilharz 16, 343; Billing 18, 54; Bullig 19, 246; Bungers 16, 151; Chabauty 17, 294, 465; 19, 3; Dribin 17, 195; 19, 50; Eichler 20, 2; Erdős and Ko 18, 106; Gut 16, 6; Hall 16, 8; Hasse 16, 52; Heilbronn 19, 292; Hensel 16, 151; Hofreiter 16, 9; Inaba 16, 152; Jacobson 18, 50; Koschliakov 17, 196; Krasner 18, 342; Krull 17, 149; Lester 19, 49; Ljunggren 16, 8; Lubelski 20, 290; Lutz 17, 53; Mahler 16, 5; 17, 57, 152; Mordell 16, 150; Moriya 16, 153, 387; Nagell 17, 100; 18, 342; Nakayama 16, 342; Nowlan and Webber 20, 2; Oppenheim 17, 247; Pisot 16, 53; Rados 16, 8; 17, 151, 340; Rédei 18, 52, 389; 19, 4, 5; 20, 101; Reichardt 16, 151; Reichardt u. Wegner 17, 245; Schilling 16, 342; Schilling u. Moriya 18, 103; Schmid 16, 7, 52; Schoeneberg 200, 202; Scholz 16, 6; 19, 49; Schumann 16, 103; Schur 17, 2; Schuster 20, 101; Shoda 16, 341; Suetuna 16, 153, 345; Sugawara 19, 148; Tannaka 17, 294; Vandiver 19, 149.

*Korrelationstheorie* s. *Wahrscheinlichkeitsrechnung, Korrelationstheorie*.

*Kosmogonie* s. *Astrophysik, Kosmogonie*; s. *Relativitätstheorie*.

*Kreis- und Kugelgeometrie* s. *Analytische und projektive Geometrie, Linien- und Kugelgeometrie*; s. *Differentialgeometrie, konforme Differentialgeometrie, Kreis- und Kugelgeometrie*.



**Kristallographie** (s. a. *Elementargeometrie und Konstruktionen, Polyeder und reguläre Raumeinteilung*; s. a. *Quantentheorie, feste Körper*) Doliwo-Dobrowsky 17, 155; Doliwo-Dobrowsky u. Aljawdin 17, 200; Haag 16, 38; Langmuir and Wrinch 19, 283; Schaacke 17, 392; 18, 11; Terpstra and van Weerden 16, 270; Tertsch 19, 362; Wrinch 20, 387.

**Kugelfunktionen** s. *Spezielle Funktionen, Kugelfunktionen und Verwandtes*.

**Kurven** s. *Algebraische Geometrie, algebraische Kurven*; s. *Differentialgeometrie, Kurven*; s. *Mengen-theoretische Geometrie*; s. *Topologie, Topologie der Continua, Kurven*.

**Laplaceintegrale** s. *Integraltransformationen, Laplaceintegrale*.

**Lebesguesches Integral** s. *Reelle Funktionen*.

**Legendresche Funktionen** s. *Spezielle Funktionen, Kugelfunktionen und Verwandtes*.

**Limitierungsverfahren** s. *Summabilitätstheorie*.

**Lineare Algebra, Matrizen und Determinanten** (s. a. *Analytische und projektive Geometrie*; s. a. *Gruppen-theorie, lineare Gruppen*; s. a. *Körpertheorie, Ringe usw.*; s. a. *Riemannsche Matrizen*) Albezziani 17, 291; Albert 16, 150; 18, 342; Banachiewicz 17, 1; Bloch 19, 389; Browne 17, 338; Browne and Denson 17, 371; Bruwier 20, 198; Burington 18, 98; Cavalucci 18, 386; Cherubino 18, 97; 19, 223; Cramlet 18, 386; Danilewsky 18, 97; 19, 244; Dobsch 18, 118; 20, 210; Flood 17, 97; Furtwängler 16, 241; Gantmacher et Krein 17, 1; Garnier 18, 97; Gravis 18, 97; Haantjes 17, 53; Hadwiger 18, 197; Hummel 16, 49; Ingraham and Wolf 18, 98; Jacobson 17, 150; Martinotti 20, ●241; Nakayama 17, 3; v. Neumann 17, 98; Oakley 18, 98; Oldenburger 16, 4; 18, 242; Ostrowski 16, 3; 17, 290; Pelosi 18, 198; Péyovitch 17, 291; 19, 390; Popoviciu 17, 98; 18, 97; Rados 18, 386, 387; 20, 289; Roth 18, 241; Severi 19, ●299; Sokoloff 16, 289; Suchkewitch 18, 97; Szekeres u. Turán 18, 387; Tocchi 18, 241; Turnbull 16, 197; Turri 17, 322; Wagner 17, 148; Wedderburn 18, 241; Wendelin 19, 144; Williamson 16, 198; 18, 289; Wren 18, 198.

**Bilineare, quadratische Formen und Verwandtes** Albert 18, 242; Blaha 20, 106; 201; Davenport 19, 196; 20, 293; Edge 18, 100; Finsler 16, 199, 221; Koteliensky 16, 362; Landau 20, 106; Linnik 19, 2; Oldenburger 16, 4, 387; 17, 338; 18, 242; Rados 18, 387; Reid 18, 388; Ritzdorff 18, 340.

**Eigenwerte** Aitken 17, 147; Andruetto 17, 51; Bottema 20, 388; Ledermann 16, 99; Parker 17, 290; Rados 18, 386, 387; 19, 390; Toscano 17, 243.

**Elementarteiler** Aitken 17, 147; Faddeeff 17, 97; Gantmacher 19, 290; Haantjes 17, 53; Nakayama 17, 3; 19, 390; Potron 16, 198; Teichmüller 17, 100; Ulm 17, 99; Williamson 17, 97.

**Funktionaldeterminanten** Ostrowski 18, 251.

**Infinitesimalrechnung der Matrizen** (s. a. *Differentialgleichungen, gewöhnliche Differentialgleichungen in Komplexen*) Birkhoff 18, 134; Cabrera 20, 26; Germay 20, 125.

**Lineare Gleichungen und Ungleichungen** (s. a. *Numerische und graphische Methoden, numerische Auflösung von Gleichungen und Gleichungssystemen*) Grošev 19, 51; La Menza 19, 1; 20, 198; Mahler 19, 51; Ostrowski 16, 3; Zoukhovitzky 18, 289.

**Matrizenkalkül** Aitken 16, 241; Asano 17, 51; Banachiewicz 20, 338; Cherubino 16, 65, 99, 197; 17, 209; 20, 100; Danilewsky 19, 244; Doebelin 18, 156; Eckart and Young 20, 198; Flood 19, 101; Gomes 17, 243; Householder and Young 19, 147; Ingraham 18, 292; Jacobson 20, 159; Julia 19, 310; Kahuschnin 19, 243; König 19, 101; Laura 20, 100; Lipka 17, 386; McCrea 20, 101; Noda 20, 322; Ostrowski 20, 198; Rados 19, 390; 20, 100; Shoda 17, 51; Thurston 19, 147, 391; Tricomi 20, 51; Williamson 19, 1; 20, 289; Zorn 20, 8.

**Spezielle Determinanten und Matrizen** Aitken 16, 197; Calapaj 20, 101; Bourgin 20, 338; Elconin 18, 251; Fréchet 18, 251; Garnier 16, 289; Gomez 17, 148; 18, 98; Kobrzyński 17, 290; Lamla 19, 245; Morton 20, 56; Palamà 17, 50; Parker 17, 290; Péyovitch 20, 101; Rados 17, 151; Roubaud-Valette 18, 98; Toscana 16, 146; 19, 244; Walker 19, 101; Zia-ud-din 17, 97.

**Lineare Räume** s. *Funktionalanalysis, lineare und Funktionenräume*.

**Liniengeometrie** s. *Analytische und projektive Geometrie, Linien- und Kugelgeometrie*; s. *Differentialgeometrie, Liniengeometrie*.

**Logik** (s. a. *Philosophie der Mathematik*) Abita 18, 193; Ackermann 17, 242; Bernstein 18, 1; Beth 16, 1; Bochvar 20, 194; Cassina 17, 145; Church and Kleene 16, 2; Chwistek 19, 145; Chwistek and Hetper 18, 337; Couffignal 19, 145, 146; Curry 20, 337; Emch 17, 49; Février 16, 2; Fitch 20, 97; Gentzen 19, ●241; Greenwood 20, ●195; Hempel 17, 241; Hermes 19, ●98; 20, ●97; Hermes u. Scholz 16, 1; Hetper 16, 193; 19, 145; Hilbert u. Ackermann 18, ●193; Huntington 17, 145; 20, 194; Jeffreys 19, 242; Jørgensen 17, ●337; Kalmár 20, 195; Kaulbach 20, 99; Kleene 20, 338; Kobrzyński 17, 290; Menger 19, 373; Mihailescu 16, 1; 18, 1; 20, 99, 337; Moisil 18, 337; 20, 97; Mostowski 16, 337; Naidu 17, 338; Ono 19, 242; Quine 16, 193, 18, 2, 194; 20, 338; Padoa 19, 385; Pepis 18, 385; 19, 97; Perelman 18, 195; Reach 19, 385; Robinson 17, 49; Rosser 20, 194; Schnell 19, 146; Scholz 17, 146; Stone 18, 3; Tarski 18, ●1; Vaidyanathaswamy 19, 386; Waismann 20, 99; Wajsberg 20, 337; Walter 17, 145; Wilkosz 18, 2, 337.

**Algebra der Logik** (s. a. *Körpertheorie, Ringe usw., allgemeine Idealtheorie, Boolesche Algebren*)  
 Blake 18, 386; 19, 386; Church 16, ●97; Copeland 16, 194; Curry 16, 337; Dienes 20, ●98;  
 Fitch 17, 337; Foradori 18, 89; Frink 18, 337; Hempel 16, 193; 17, 241; Hirano 16, 337;  
 McKinsey 16, 2; Mihailescu 16, 337; 18, 193; 20, 98; Moisil 16, 194; 18, 385; Piaget 16, 194;  
 Quine 18, 338; Schmidt 18, 338; Skolem 16, 194; Stone 17, 145; Tang 19, 385; Wajsberg  
 16, 98; 19, 385; Webb 17, 145; Whiteman 16, 338; Zawirski 16, 195.

**Beweistheorie** Ackermann 16, 195; Chwistek and Hetper 18, 337; Hilbert u. Bernays 20, ●193;  
 Kalmár 17, 337; Quine, 18, 2; Rosser 17, 242; Turing 16, 97; 18, 193, 194.

**Magische Quadrate** s. *Zahlentheorie, magische Quadrate*.

**Magnetismus** s. *Elektrodynamik, Magnetismus; s. Quantentheorie, Magnetismus*.

**Maßtheorie** s. *Reelle Funktionen*.

**Matrizen und Determinanten** s. *Lineare Algebra, Matrizen und Determinanten*.

**Mechanik** (s. a. *Berührungstransformationen; s. a. Geometrie der Massen*) Agostinelli 17, 282; 18, 179;  
 20, 173; Almansi 17, 281; Armellini 18, 181; 20, 174; Arrighi 16, 237; Aymerich 20, 316;  
 Barbilian 18, 178; Beles 18, 279; Bilimovitch 17, 281; 19, 361; 20, 316, 317; Bouligand  
 17, ●379; Dive 17, 236, 18, 185; de Franchis 17, 380; Frazer 17, 136; Ganguly 20, 175;  
 Garcia 17, 41; 18, 93, ●427; Garcia et Rosenblatt 20, 174; Ghermănescu 19, 261; 20, 317;  
 Graffi 18, 279; Grassi 20, 174; Hadamard 18, 179; Hamel 20, 173; Hermes 19, ●98; Johnsen  
 17, 135, 18, 428; Jouguet 19, 239, 335; van Kampen and Wintner 18, 94; 19, 334; Koebeke  
 18, 280; Krbek 19, 144; Lampariello 18, 279; 20, 316; Levi-Civita e Amaldi 20, ●315;  
 Lewis 16, 359; Lópschitz 17, 380; de Losada y Puga 17, 41; Melikov 16, 233; Milne and  
 Whitrow 19, 144; de Mira Fernandes 16, 378; Pendse 17, 379; Picard 16, 378; 18, 179;  
 Platrier 16, ●377; Pogrebissky 18, 93; Rosenauer 19, 239; v. Schelling 17, 281; Schürer  
 17, 379; Seetharaman 17, 282; Severny 20, 317; Sispanov 20, 174; Sokoloff 18, 94, 280;  
 Somigliana 18, 93; Subba Rao 17, 282; Synge 17, 41; Teodoru 20, 173; Tzitzéica 20, 174;  
 Vălovič 20, 173; Watson 16, 213; 17, 42; Wendelin 19, 144; Weyl 19, 334, 20, 172.

**Bahnbestimmung** Astapowitsch 18, 280; Bezold 19, 375; Brown 19, 355; Chazy 19, 376;  
 Chkroeff 18, 428; Couffignal 18, 80; Dehalu, Goffin et Sauvenier 16, 88; Fabre 17, 382;  
 18, 95; Ferrero 16, 236; Garavito 19, 336; Graffi 17, 137; Horák 18, 280; Invrea 16, 236;  
 Koebeke 18, 180; Kopal 17, 381; 18, 428; Kourganoff 17, 284; Koziel 16, 380; 17, 284;  
 Meyer 19, 144; Michkovitch 19, 376; Mikhalsky 18, 95; Orlov 16, 236; Polak 17, 285;  
 Rabe 18, 180; Rakowiecki 19, 144; Sinding 16, 89; Spencer Jones 16, 381; Strömgren  
 19, 376; Subbotin 17, 284; Wintner 18, 95; 19, 376; Zagor 20, 175; Zamorev 17, 138.

**Doppelsterne** Barnes 16, 334; Brown 16, 381; de Caro 20, 318; Gennaro 16, 236; Kopal 19, 144.  
 Krat 17, 285; Losseva 19, 92; Piotrowski 17, 382; Rabe 18, 180; Silva 17, 285; Yamagata  
 20, 175; Zessevitch 16, 89.

**Drei- und Mehrkörperproblem** Armellini 17, 284; Arrighi 17, 137; Bardon 18, 280; Belorizky  
 20, 175; Brown 16, 381; Buchanan 18, 96; Dramba 20, 175; Dubošin 18, 429; Garcia et  
 Rosenblatt 16, 380; 17, 137; Hagihara 19, 336; Hölder 19, 376; Levi-Civita 16, 185; Moiseiev  
 18, 96; 19, 192, 336; Nikliborc 20, 318; Perron 16, 380; Pylarinos 16, 237; Rein  
 17, 284, 381; 18, 180; 19, 336; Sokoloff 18, 96, 280; Subbotin 16, 88; Uno 19, 375; Vescan 17,  
 137; Weiss 18, 96; Williams 20, 319; Wintner 18, 428.

**Gestalt der Himmelskörper, Gleichgewichtsfiguren** Appell 16, ●379; Bucerius 16, 237; Chatterjee  
 16, 187; Dive 16, 88, 237, 18, 96, 281; Edgeworth 20, 317; Evrard 18, 180; Friedman 18, 280;  
 Garcia et Rosenblatt 18, 429; 20, 28; Gardedieu 16, 88, 18, 180; Jankowski 16, 88, 187, 381;  
 Lindblad 19, 191; Lorenz 18, 96; Maruhn 17, 138; Mineo 18, 429; Neronoff 16, 88; Oseen  
 16, 214; Pendse 16, 238; Rein 16, 381; Schütte 20, 175; Somigliana 19, 308; Strakhovitch  
 18, 96; Wavre 19, 336, 377; Zamorev 17, 138.

**Kinematik** (s. a. *Differentialgeometrie, Kinematik*) Beth 19, 323; Blaschke 19, 39, ●364, 365;  
 Buscheguence 17, 83; Deaux 17, 127; Garcia 18, ●427; Krames 16, 130, 367, 368; Krames  
 17, 82, 220, 370; Lampariello 19, 39; Mayer 17, 28, 319; Meyer zur Capellen 18, 85; Nara-  
 singa Rao 18, 279; Strubecker 18, 372; Viša 17, 180; Woinaroski 18, 85.

**Kontinuumsmechanik** Abramov 18, 128; Agostinelli 17, 403; Arrighi 16, 237; 17, 380; de  
 Backer 16, 258; 17, 18, 70; Barta 16, 366; Bateman 18, 259; 19, 410; Bourgin 20, 362;  
 Brillouin 20, 168; 20, 171; Cattaneo 19, 374; Colonnetti 18, 279; Colwell and Hardy 18, 129;  
 Consiglio 18, 93; Dedeant, Kiveliovitch et Wehrle 18, 94; Dedeant et Wehrle 20, 265;  
 Demidovitch 19, 240; Dolidze 19, 119; de Donder et Dupont 16, 233, 422; 17, 282; Dubreil-  
 Jacotin 16, 59; Egger 20, 363; Ertel 18, 311; Filon 17, 70; Finzi 16, 232; Franzi 18, 361;  
 Friedrichs 17, 21; Fürth 19, 89; Garavito Armero 20, 263; Gay 18, 217; Gorgidze 19, 349;  
 Gran Olsson 20, 227; Gunther 16, 165; Gupta 20, 157; Hallén 19, 119; Hamel 16, 257;  
 Hartree 17, 80; Imai 17, 403; Jacob 17, 353; 20, 170; Jardetzky 20, 170; Jensen and Holl 16,  
 257; de Kármán and Howarth 18, 158; Kiltchevsky 20, 168; Klitchieff 19, 374; Krall e Gröb-  
 ner 20, 265; Kravtchenko 17, 353; Lagally 17, 281; Lampariello 18, 217; Leray et Robin  
 17, 117; Levi-Civita 16, 88; Lewis 18, 406; Luntz 20, 265; McLachlan and McKay 16, 359;  
 Magnaradze 17, 212; Masotti 16, 257; Matesco 18, 361; Merlin 20, 169; Milne-Thomson 19,



- 375; Mindlin 17, 354; v. Mises 18, 428; Morris 17, 68, 69, 402, 403; Muschelišvili 16, 359; Neronoff 17, 69, 70; 19, 306; Odqvist 18, 66; Okaya 17, 117; Omara 20, 264; Oudart 20, 264; Pailloux 18, 94; 19, 374, 375; Papkowitch 20, 227; Pastori 16, 232; Perau 20, 264; Poloubarinova-Kochina 19, 307; Rashevsky 20, 172, 266; Ray 20, 265; Reissner 16, 28; Riabouchinsky 18, 216; Ricci 17, 402; Rollier 20, 263; Savin 20, 227; Sbrana 17, 404; Schaeffer 18, 129; Scherman 19, 120; Schmieden 20, 264; Sekera 19, 26; Sen 18, 128; Šerman 19, 218, 349; Seth 16, 60; 17, 263; 20, 264; Sezawa 19, 374; Smirnov 16, 27; 17, 353; Sokolnikoff and Sokolnikoff 20, 263; Sokolovski 20, 169; Solonoutz 20, 363; Squire 20, 264; Stevensen 19, 239; Sukurai 20, 170; Supino 20, 169; Théodoresco 16, 28; 18, 360; Tiercy 17, 118; Tolotti 20, 227; Trefftz 18, 93; Ugolini 20, 170; Uller 17, 138; Vecoua 16, 359; 17, 213; Weinel 18, 216; Weinstein 18, 216; Westerfield and Pietenpol 20, 171; Williams 20, 168; Young 20, 171, 266; Yvon 19 ●240.
- Spezielle Probleme de Angeli** 18, 179; Beschkin 20, 173; Cotton 18, 93; Dubošin 18, 96; Klose 17, 117; Lazzarino 18, 179, 428; Mettler 17, 41; v. Schelling 17, 281; Slioskin 16, 378.
- Statik** Aimond 17, 376; Colonnetti 19, 143; Deaux 17, 219; Kommerell 18, 373; Turrière 17, 417; Volterra 20, ●317.
- Statistische Mechanik** (s. a. *Kinetische Theorie der Materie*) Born 17, 413; Born and Fuchs 19, 320; de Donder 19, 321, ●360; Elsasser 17, 414; Fowler 16, ●172; Hostinsky 19, 320; Husimi 19, 319, 320; Kramers 18, 159; Mayer 16, 89; Mayer and Ackermann 16, 89; Tolman 19, ●359; Wassmuth 18, 321.
- Verlauf der Bahnkurven, Stabilitätsprobleme, Ergodenhypothese** (s. a. *Differentialgleichungen, gewöhnliche, Verlauf der Lösungen, Existenz- und Eindeutigkeitsfragen; s. a. Variationsrechnung, Variationsrechnung im Großen, topologische Methoden der Analysis*) Andronov et Pontrjagin 16, 113; Beboutoff 18, 95; Birkhoff 16, 234; 18, 264; Bradistilov 19, 350; 20, 316; Cherry 19, 115; Cotton 18, 93; Doeblin et Fortet 17, 316; Fabre 19, 336; Godefroy et Poncin 20, 173; Hartman, van Kampen and Wintner 16, 235; Hilmy 16, 236; 17, 136, 283; 18, 95; 20, 316; Hopf 16, 235; 17, ●283; Husson 16, 86; van Kampen and Wintner 16, 358; 17, 465; Kamenkoff 17, 111; Kasner and Fialkow 16, 233; Kolmogoroff 17, 136; Kryloff et Bogoliouboff 16, 86, 312, 379; Kuzmin 17, 112; Leontović et Mayer 16, 113; Malkin 17, 112; 18, 95; Markoff 18, 114; Martin 16, 378; 17, 283; Mineur 17, 41; Moisseiev 16, 235; 18, 94; 19, 192; Morse 19, 335; Oxtoby 17, 136; Persidskij 16, 254; Popoff 20, 174; Riesz 19, 414; Robbins 16, 379; Stepanoff 18, 95; Tuller 18, 273; Uno 17, 125; Vedrov 19, 375; Visser 16, 378; Weil 16, 86; Yosida 19, 414; Yosida and Kakutani 20, 39.
- Mehrkörperproblem s. Mechanik, Drei- und Mehrkörperproblem.**
- Mengenlehre** (s. a. *Reelle Funktionen; s. a. Topologie*) Bernstein, 19, 9; Blumberg 16, 54; Borel 17, 158; Cantor und Dedekind 17, 385; Gleyzal 17, 346; Grünwald 17, 7; Hartman 17, 343; Hausdorff 17, 59; Inagaki 20, 297; Kondô 17, 159, 202; 20, 349; Kunugui 17, 159, 345; Kuratowski 16, 156; 17, 343, 344; Kuratowski and v. Neumann 17, 344; Kurepa 17, 158, 300; 18, 55; 20, 108; Liapounoff 18, 347; Maximoff 19, 201; Mazur 20, 349; Menger 18, 113; Milgram 19, 400; Miller 17, 300; Moisl 20, 349; Mostowsky 19, 295; Novák 16, 157; Piccard 16, 296; 17, 7, 156, 346; 18, 348; Rothberger 18, 394; 20, 107; Ruziewicz 17, 345, 346; Schreier 16, 295; 18, 246; v. Seckendorff 17, 156; Seliwanow 19, 400; Shirai 20, 297; Sierpiński 17, 7, 60, 157, 201, 202, 299, 346; 18, 55, 56, 348; 20, 10, 108, 350; Szpilrajn 20, 109; Tarski 18, 347, 393.
- Grundlagen** Ackermann 17, 242; Bernays 19, 294; Besicovitch 18, 113; Burckhardt 19, 201; Cassina 17, 242; Church 18, 338; Gödel 20, 297; Hirano 18, 3; Kuratowski 17, 49; Lindenbaum und Mostowsky 19, 295; Robinson 17, 49; Tarski 18, 347; 19, 98.
- Punktmengen** (s. a. *Mengentheoretische Geometrie; s. a. Potentialtheorie, Harmonisches Maß, Kapazitätskonstante*) Ackermann 16, 195; Alexits 19, 201; Besicovitch 20, 10; Braun 16, 55; 17, 9; Church und Kleene 16, 2; Dickinson 20, 10; Doob 20, 109; Egged 19, 157; Fraenkel 16, 338; Inagaki 19, 158, 297; Kantorovitch et Livenson 18, 56; Keldych 18, 394; 19, 55, 159; Kline 18, 101; Kondô 17, 299; 19, 158, 297; Knichal 19, 296; Kunugui 19, 296; Kuratowski 18, 247; Leja 18, 56; Novikoff 17, 158; Oxtoby and Ulam 19, 296; Pasqualini 20, 74; Piccard 19, 296; Pospíšil 18, 55; Roger 19, 55; Rothberger 18, 247; Schoenberg 19, 159; Sierpiński 17, 157; 18, 247, 348; 19, 158, 296; Sierpiński et Szpilrajn 17, 105; Šmulian 19, 9; Stopher 18, 55; Szpilrajn 17, 346; 18, 394; Ursell 19, 296; Victoris 17, 330.
- Mengentheoretische Geometrie** (s. a. *Mengenlehre, Punktmengen; s. a. Topologie, Dimensions-theorie; s. a. Topologie, Topologie der Kontinua, Kurven; s. a. Topologie, topologische und metrische Räume*) Alexits 20, 406; Aronszajn 18, 174; Beer 20, 404; Boos 16, 375; Carathéodory 17, 229; Douglas 19, 353; Froda 17, 8; Hall and Wallace 20, 405; Pauc 18, 174; Scorza Dragoni 16, 138; 20, 166.
- Allgemeine metrische Geometrie** Alt 16, 374; Aronszajn 20, 74; Blanc 18, 274; Blumenthal 17, 229, 425; 19, ●329; Busemann 18, 173; Gölab 19, 87; 20, 74; Menger 16, 260, 405; Niemitzki 20, 166; Pasqualini 20, 74; Pauc 16, 137; 18, 274; 19, 87; 20, 167; Schoenberg 17, 361.
- Direkte Infinitesimalgeometrie** Alexits 20, 404; Bouligand 16, 278; 17, 16; 18, 173; Busemann 20, 75; Chow 17, 38; Dvoretzky 18, 173; Gama 18, 115; 19, 140; Gölab 18, 172; Guareschi

16, 158; 17, 229; Harrold 20, 76; Lévy 18, 172; Mirgnet 17, 328; de Misès 17, 426; Pauc 18, 376; 20, 405; Roger 18, 250; Tortance 16, 184.

**Theorie geometrischer Gebilde bezüglich gegebener Realisierungsordnung** (s. a. *Konvexe Körper und Verwandtes*) Aumann 18, 30; 20, 237; Delvendahl 18, 276; 20, 406; Gericke 16, 228; Haller 19, 330; Haupt 16, 278; 17, 91, 327; 19, 330; 20, 166; Kubota 17, 278; Linsman 16, 137; 18, 331, 425; 20, 74, 406; Pimiä 18, 377; Sauter 16, 227; Scherk 16, 227; 20, 75; v. Sz. Nagy 16, 80; 17, 38, 90; 18, 332, 377.

**Meromorphe Funktionen** s. *Funktionentheorie, meromorphe Funktionen.*

**Metrische Geometrie, allgemeine** s. *Differentialgeometrie, Geometrie der Variationsprobleme, Finslersche Räume; s. Mengentheoretische Geometrie, allgemeine metrische Geometrie; s. Topologie.*

**Metrische Räume** s. *Funktionalanalyse, lineare und Funktionenräume; s. Mengentheoretische Geometrie, allgemeine metrische Geometrie; s. Topologie, topologische und metrische Räume.*

**Minimalflächen** s. *Differentialgeometrie, Minimalflächen.*

**Mittelwerte und Ungleichungen** (s. a. *Summabilitätstheorie*) Achyesser und Lewitan 16, 300; Albeggiani 17, 291; Baidaff 19, 403; Barna 18, 301; Boas und Bochner 20, 216; Bruwier 20, 198; Child 20, 385; Ciorănescu 16, 104; Fejes 20, 110; Furtwängler 16, 241; Gabriel 16, 395; Gorny 18, 300; Grosschmid 18, 206; Hardy and Levinson 18, 116; Hille, Szegő and Tamarkin 18, 12; Kershner 19, 109; Kolmogoroff 19, 314; Krafft 18, 32; Landru 16, 16; Levin 16, 250; 19, 160; Lewitan 16, 298; 19, 303; Littlewood 16, 395; McShane 17, 160; Marcinkiewicz und Zygmund 19, 420; Markoff 20, 108; Mihoc 19, 402; Norris 17, 10; Ore 18, 395; Ostrowski 17, 290; 18, 251; Perkins 20, 29; Péyovitch 17, 291; Pitt 18, 17; 19, 12; Popoviciu 17, 98; 18, 97; Rado 17, 204; Rao and Iyengar 20, 210; Romanovsky 19, 356; Schaeffer und Duffin 18, 395; Seitz 16, 352; Sewell 18, 13; 20, 209; Szekeres und Turán 18, 387; v. Sz. Nagy und Strausz 18, 397; Titchmarsh 19, 204; Young 16, 104, 105; 18, 13.

**Modulfunktionen** s. *Elliptische Funktionen und Verwandtes, automorphe und Modulfunktionen.*

**Moleküle** s. *Kinetische Theorie der Materie; s. Quantentheorie, Moleküle.*

**Momentenproblem** s. *Verteilungsfunktionen, Momentenproblem.*

**Nationalökonomie** (s. a. *Wahrscheinlichkeitsrechnung, Statistik*) Bachelier 17, 410; Bresciani-Turroni 17, 28; Davis 18, 160; Demaria 17, 367; Dresch 18, 161; de Finetti 16, 159; 17, 9; Hagstroem 16, 317; 19, 130; Montgomery 18, 79; Moulton 18, 160; v. Neumann 17, 39; Schneider und Jessen 18, 415; Tinbergen 16, 317; Ullmo 20, 48; Zaycoff 16, 414.

**Netzschaltungen** s. *Elektrodynamik, Schaltungen.*

**Nichteuklidische Geometrie** (s. a. *Analytische und projektive Geometrie; s. a. Grundlagen der Geometrie*) Barbilian 16, 177; 18, 85; Blumenthal 19, 277; Bonica 16, 271; Bose 16, 272; de Cesare 18, 267; Coxeter 16, 39; Fröhlich 18, 230; Haenzel 18, 86; Heffter 16, 271; Hjelmlev 16, 271; Hohenberg 16, 71; Hölder 19, 261; Klier 18, 326; Liebmann 17, 82; Menger 19, 363; 20, 158; Meurers 18, 86; Milloux 17, 23; Miyazaki 19, 135; Narasinga Rao 19, 75; Petrovievics 20, 249; Roeser 19, 75; Schilling 17, 321; Schröder 16, 219; Takasu 16, 71; Watson 16, 253; Weiss 19, 76; Wu 18, 43.

***n*-Körperproblem** s. *Mechanik, Drei- und Mehrkörperproblem.*

**Nomographie** s. *Numerische und graphische Methoden, Nomographie.*

**Normalfamilien** s. *Funktionentheorie, Normalfamilien.*

**Nullstellen analytischer Funktionen** s. *Funktionentheorie, Nullstellen analytischer Funktionen.*

**Nullstellen von Polynomen** s. *Polynome und algebraische Gleichungen, Lage der Nullstellen.*

**Numerische und graphische Methoden** (s. a. *Interpolationen; s. a. Wahrscheinlichkeitsrechnung, Fehlerrechnung, Ausgleichung*) Banachiewicz 19, 273; 20, 155; Blaum 19, 133; Bünnemann 20, 248; Camp 16, 318; 19, 132; Chromiński 19, 37; Frank 18, 417; Grave 20, 197; Ikeda 16, 36; Lehmer 19, 424; de Losada y Puga 16, 317; Marchés 16, 318; Moschick 17, 177; Ostrowski 19, 273; Palm 18, 324; Picone 16, 176; Schendell 20, 248; Schmidt 17, 367; 18, 418; Spoerl 20, 155; Stankiewicz 19, 37; Watson 19, 338; Walther, Dreyer und Estenfeld 20, 248; Weinig 17, 367; Wells 20, 155; Wilson 18, 161.

**Harmonische Analyse** Alter 17, 79; Baer 16, 319; Baibaiev 19, 273; v. Békésy 16, 366; Campbell 18, 79; Hussmann 18, 418; Jordan 18, 324; Labrouste et Labrouste 16, 320; Lubberger 16, 315; Nyström 17, 318; Partridge 18, 325; Schmidt 17, 367; 18, 418; Stumpff 16, 319.

**Instrumente** Baer 16, 176, 319; Bradfield, Hooker and Southwell 16, 175; Crawford 18, 324; Ehrenberg 16, 36; Emde 19, 273; Evans 17, 177; Kharkevitch 17, 178; Liustuch 16, 318; Lorenz 19, 426; Meyer zur Capellen 16, 176; 18, 161, 419; Nyström 17, 318; Ott 16, 69; Poggi 16, 318, 366; Rohrborg 17, 317; Rosseland 17, 368; Voigt 16, 176; Werkmeister 17, 317.

**Maschinenrechnen** Aitken 19, 132; Bemporad 18, 228; Couffignal 18, 80; Goussinsky 17, 177; Herrmann 16, 317; Poggi 16, 318; Stevens 19, 425; Tiedeken 16, 365.

**Nomographie** Balogh 16, 318; Chao 17, 178; Frank 16, 68; Glagoleff 16, 68, 174; Meyer zur Capellen 18, 419; Nyström 19, 36; Timpe 18, 323; Wünsche 18, 162; 20, 45; Zimmermann 20, 155; Zühlke 19, 425.



**Numerische und graphische Auflösung von Gleichungen und Gleichungssystemen** Aitken 16, 241; 17, 147; Banachiewicz 17, 317, 416; 19, 37; Bateman 18, 161; Bode 17, 177; Caro 17, 317; Cesari 17, 79, 367; Cimmino 18, 418; Coate 17, 177; Danilewsky 16, 318; Dell 19, 425; Gernet 16, 57; Hart and Travis 18, 81; Higgins 17, 367; Hitchcock 19, 132; Ighish 20, 247; Kaczmarz 17, 317; Lorey 20, 154; Masuyama 20, 155; Nogrady 16, 35; Ory 19, 425; Ostrowski 18, 80, 324; Pipes 18, 418; Platone 20, 154; Poggi 16, 366; Selmer 20, 339; Shain 16, 36; Sokoloff 16, 289; Stankiewicz 17, 317; 18, 161; 19, 37; Steen 18, 81; Steuermann 16, 69; Tănăsescu 20, 154; Tcherepkoff 16, 174; Temple 20, 247; Viola 16, 174; Willers 18, 417.

**Numerische und graphische Behandlung von Differential- und Integralgleichungen** Afendik 20, 156; Bailey and Somerville 19, 133; Barta 18, 418; Collatz 17, 308; 18, 257; Datzeff 18, 362; Frazer, Jones and Skan 19, 132; Frazer and Skan 19, 37; Gentini 19, 132; Godart 19, 426; Gröbner 20, 128; Gupta 20, 157; Hartree 17, 80; 19, 274; Hartree, Porter, Callender and Stevenson 17, 178; Hartree and Womersley 17, 80; Heinrich 19, 133; Karas 17, 262; Kleinwächter 20, 249; Klose 17, 117; Lindelöf 19, 274; Mikeladze 19, 274; Newing 17, 70; Pflanz 17, 317; Picone 18, 257; 20, 127; Pipes 17, 368; Pöschl 18, 228; Rankin 19, 274; Sohlesner 19, 338; Shortley and Weller 19, 38; Sunatani and Negoro 18, 84; Tollmien 18, 83; Vetchinkin 18, 83; Weinstein 18, 216; Zech 17, 416.

**Numerische und graphische Differentiation und Integration** (s. a. *Approximation von Funktionen, Quadraturformeln*) Airey 18, 161; Barta 16, 366; Bartky 20, 156; Besikowitsch 16, 175; Blaess 16, 366; Bompiani 20, 156; Brun 18, 302; Burnett 17, 80; Darling 20, 248; Evans 17, 177; Gran Olsson 16, 317; Gröttrup 17, 80; Kantorowitsch und Krylow 16, 305; Kennedy 19, 274; Kravčuk 20, 156; Ljustich 16, 318; McDougall and Stoner 18, 162; Mangler 19, 274; Mikeladze 16, 36; 18, 228; Pflanz 18, 324; Romberg 16, 36; Schülke 16, 317; Sibagaki 16, 70; Tallqvist 16, 317; Werkmeister 17, 317.

**Tafeln** British association 17, 415; Clapp 17, 110; David 19, 74; Hjerting 19, 425; Holtappel 19, 273; Jahnke und Emde 19, 131; Neuschuler 19, 36; Peters 17, 318; Pretti 17, 79; Sarrazin und Oberbeck 18, 323; Savur 18, 83; Semiller und Semiller 17, 367; Steffenson 19, 178; Tallqvist 19, 131; Umeda 20, 293; Watson 19, 425; Witmer 18, 80.

**Operatorenkalkül** (s. a. *Funktionalanalysis; s. a. Integraltransformationen*) Bourgin und Duffin 18, 66; Cabras 19, 349; Cabrera 20, 26; Carslaw 19, 30; Delsarte 20, 368; Efross 19, 264; Florin 17, 313; Friedrichs 20, 368; Fubini Ghiron 18, 362; Gelfand 20, 367; Humbert 18, 130; Kitagawa 19, 205, 216, 255; Koschmieder 17, 256; Lowan 17, 167; 19, 260; van der Lyn 20, 307; McLachlan 18, 363; 19, 169, 343; 20, 26; McLachlan and Meyers 16, 357; v. Neumann 19, 311; Neumark 20, 31; Pipes 18, 218, 309, 361; Plessner 20, 369; Rellich 20, 306; Sakurai 16, 211; 17, 68, 354; 18, 67, 259; 19, 30, 69; 20, 112, 223; Scheib 20, 228; Steen 19, 216; Stephens 19, 348; Taylor 19, 312; Varma 16, 398; Wecken 20, 305; Zia-ud-Din 19, 69.

**Optik**, klassische Alvarez Lleras 17, 234; Buchwald 17, 383; Čefovská 20, 272; Condon 17, 331; Coulomb 19, 188; Garavito Armero 17, 43, 234; 18, 182, 336; van Mieghem 20, 82; Moon 20, 411; Rosemann 19, 378; Rubinowicz 20, 82; Rytov 19, 187; Seemann 17, 43; Silberstein 18, 335; Synge 19, 188; Yvon 19, 240.

**Durchrechnung optischer Systeme** Maruyama 20, 82; Picht 17, 330; Record 18, 380; Szulc 17, 43; Wolfers 16, 330.

**Elektronenoptik** Cotte 17, 43, 331; 18, 44; 19, 377; Funk 17, 43; Gans 16, 331; Gray 20, 412; Riedl 17, 383; Voit 20, 272.

**Farbenlehre** Ewald 19, 47; Rosemann 19, 378.

**Geometrische Optik** Carathéodory 16, 122; 17, 382; Cavallaro 17, 191; Graffi 20, 82; Herzberger 16, 91, 330; 17, 42; Horninger 17, 82; Maruyama 20, 83; Mezhvarisvili 17, 43; Oseen 16, 90; 19, 47; Sauer 19, 377; Synge 16, 91, 330; 18, 43; Watson 16, 213.

**Kristalloptik** Burgatti 20, 83; Dallaporta 19, 378; Dashevski 20, 273; Fujiwara und Onoyama 20, 412; Leberknight and Lustman 20, 273; Lifshitz 20, 273; Onoyama 20, 412; Peterlin u. Stuart 20, 314.

**Linsen und optische Instrumente** Ditchburn 20, 410; Hellwege 20, 272.

**Optik trüber Medien** —.

**Wellenoptik** Anderson 17, 43; Bogros 16, 331; Bouasse 20, 272; Doermann and Halpern 20, 271; Ewald 17, 383; Freudenthal 20, 271; Fues 18, 361, 406; Hanson 18, 335; Hellwege 17, 191; Ignatovskij 20, 83; Kohler u. v. Laue 18, 44; Kupradze 18, 259; Lecornu 20, 410; Nath 20, 411; Noether 17, 263; Ornstein 16, 59; Paschen 20, 271; Patry 18, 380; Picht 18, 43; Renninger 17, 383; Savornin 20, 410; Schaefer u. Pich 17, 234; Weigle 18, 182; 20, 273; Weigle et Patry 18, 380.

**Orthogonalentwicklungen** s. *Approximation von Funktionen*.

**Parabolische Differentialgleichungen** s. *Differentialgleichungen, partielle, parabolische Differentialgleichungen*.

**Pfaffsches Problem** s. *Differentialgleichungen, partielle, Differentialformen, Pfaffsches Problem*.

**Philosophie der Mathematik** (*s. a. Logik; s. a. Mengenlehre, Grundlagen; s. a. Wahrscheinlichkeitsrechnung, Grundlagenfragen*) Appert 17, 49; Azevedo do Amaral 20, 195; Boldt 17, 49; Bouligand 16, 2; Chwistek 18, 194; Couffignal 18, 338; Cramer 17, 241; Destouches 17, 243; Dienes 20, ●98; v. Freytag 16, 3; Gokieli 18, 1; Goodstein 20, 99; Moisil 20, 98; Naidu 18, 337; Steck 19, 97; Weyl 18, 386; Wilkosz 18, 2.

**Philosophie der Physik** (*s. a. Quantentheorie; s. a. Wahrscheinlichkeitsrechnung, Grundlagenfragen*) Alvarez Lleras 20, 99; Bernays 16, 338; Bohr 16, 338; Destouches 16, 238; 18, 386; Dugas 17, 50; Färber 18, 195; Frank 16, 195; Hardie 18, 195; Hartmann 16, 99; Hermann 16, 339; Hermann, May u. Vogel 16, 98; Hermes 19, ●98; Hostelet 19, ●318; Jeffreys 19, 242; Kraft 16, 338; Kratzer 16, 338; Maeda 17, 266; Mally 20, ●195; Schlick 16, 195; Schnell 19, 146; Stueckelberg 17, 49; Zawirski 16, 195.

**Physikalische Statistik** *s. Kinetische Theorie der Materie; s. Mechanik, statistische Mechanik; s. Quantentheorie; s. Thermodynamik.*

**Picardscher Satz** *s. Funktionentheorie, Picardscher Satz und Verwandtes.*

**Plateausches Problem** *s. Differentialgeometrie, Minimalflächen.*

**Polyeder** *s. Elementargeometrie und Konstruktionen, Polyeder und reguläre Raumteilung.*

**Polynome und algebraische Gleichungen** (*s. a. Eliminationstheorie; s. a. Lineare Algebra, Matrizen und Determinanten; s. a. Numerische und graphische Methoden, numerische Auflösung von Gleichungen und Gleichungssystemen*) Anghelutza 18, 206; Artioukhov 20, 290; Barba 16, 49, 147; 17, 97, 386; Riggigero 18, 243; Bohlin 18, 242; Bohr and Flanders 18, 121, 465; Carlitz 16, 148; Conte 17, 338; Flood 17, 338; Gloden 17, 1; Grave 20, ●197; Hibbert 17, 363; 18, 100; Jacobsthal 20, 292; Kellef 20, 99; Kirstein 18, 243; Lévy 16, 198; 17, 272; Loria 18, 387; Martin et Seidenberg 18, 99; Mayr 16, 357; 20, 339; Molsen 16, 147; Niewiadomski 20, 99; Perron 17, 2; Rohrbach 16, 99; Rossi 18, 197; Schmidt 19, 101; Selmer 20, 339; Severi 19, ●299; Skolem 16, 245, 348; 17, 54; 19, 390; Thurston 19, 391; Tocchi 17, 386; Vahlen 20, 199; Walsh 16, 123.

**Irreduzibilitätsfragen** Bell 17, 65; Hadamard 16, 99; Hausmann 18, 198; Krull 16, 148; Lubelski 18, 244; McLane 18, 289; Molsen 16, 147; Perron 17, 52; Petr 16, 49; Petterson 16, 3, 49, 147, 289; Raikov 17, 146; Schulz 16, 147; Toepken 18, 99, Tschebotarow 18, 110.

**Klassische Galoissche Theorie** (*s. a. Körpertheorie, Ringe usw.*) Amato 20, 100, 199; Bauer 16, 242; Buggisch 18, 100; Carlitz 18, 198; Cartan 20, 23; Dribin 17, 195; Gravé 18, 388; Krasner 20, 200; Lubelski 19, 147; Lindemann 16, 242; 20, 339; Reichardt 16, 151; Reichardt u. Wegner 17, 245; Scholz 16, 6; Schulz 17, 52; Tannaka 17, 294; Tihanyi 16, 3; van der Waerden 19, 134; Zito 20, 100.

**Lage der Nullstellen** (*s. a. Funktionentheorie, Nullstellen analytischer Funktionen*) Anghelutza 19, 391; Ballieu 16, 386; Bohlin 19, 101; Chang 17, 193; Dieudonné 17, 51; Delange 20, 11; Dobrzycki 18, 242; Ghermanescu 17, 193; Gormley 17, 350; Graffi 18, 279; Lipka 18, 387; Littlewood and Offord 20, 136; Markovitch 19, 391; Meymann 19, 246; Obrechhoff 16, 146, 147, 386; 17, 51, 205; 18, 99, 198; 20, 231; Ostrowski 18, 324; Petrovitch 20, 210; Petterson 16, 3; Sen and Rangachariar 19, 19; Smith 19, 18; Tchakaloff 17, 193; 20, 12; Toda 17, 146; Venturelli 18, 198; Weisner 18, 98.

**Spezielle Polynomklassen** (*s. a. Approximation von Funktionen, Polynom- und Orthogonalentwicklungen; s. a. Fourierreihen, trigonometrische Polynome; s. a. Spezielle Funktionen*) Basoco 17, 256; Carlitz 18, 198; Condon and Greenwood 17, 350; de Duffahel 16, 109; Eaton 20, 289; Foussianis 18, 290; Hadwiger 16, 251; Hahn 17, 206; Howell 16, 251; Koschmieder 17, 256, 350; Koulík 16, 206; McRobert 17, 64; Mitrinowitch 16, 111; Obrechhoff 17, 205; Palamà 17, 169, 303; Pankajam 20, 342; Sansone 17, 64; Schulz 16, 147; 17, 52; Webster 17, 304.

**Symmetrische Funktionen** Wolf 16, 5.

**Polynomentwicklungen** *s. Approximation von Funktionen, Polynom- und Orthogonalentwicklungen.*

**Potentialtheorie** (*s. a. Differentialgleichungen, partielle; s. a. Spezielle Funktionen*) Artmeladze 17, 17; Beer 16, 256; Beier 18, 360; Bochner 17, 309; Bradfield, Hooker and Southwell 16, 175; Brelot 19, 309; Brillouin 19, 410; Brödel 20, 210; Ciorănescu 19, 411; Delsarte 17, 212; Diatchenko et Bréous 18, 407; Evans 19, 309; 20, 130; Frostman 16, 106; 18, 408; Garcia et Rosenblatt 20, 28; Gevrey 19, 264; Graeser 18, 128; Green 19, 117; Grunsky 19, 350; Haack 20, 363; Hahn and Beckenbach 16, 42; Hamel 16, 257; Inoue 20, 130; Jakob 19, 261; Jardetzky 19, 409; Kappos 18, 26; Keldyš et Lavrentiev 17, 166; Leja 19, 261; Maggi 17, 17; Malkin 20, 363; Morris 17, 68, 69, 402, 403; 20, 129; Muskat 20, 27; Nicolescu 16, 402; 20, 228; Novikoff 18, 309; Onicescu 19, 411; Opatowski 18, 258; Oseen 16, 214; Perkins 20, 29; Polaczek 19, 118; Poritsky 18, 26; 19, 25; Privaloff 18, 408; Radó 16, 161; Ricci 17, 402; Riesz 18, 407; 20, 364; Savin 19, 25; Smalickij 17, 116; Sretensky 20, 384; Stibitz 18, 407; Théodoresco 16, 28; Thiruvengkatachar 20, 29; Tsuji 20, 130; Tulajkov 19, 25; de la Vallée Poussin 18, 152; 19, 216, 262; 20, 130; Vasilescu 17, 17; Viola 20, 129; Walsh 16, 123; 17, 108; Wavre 16, 256; 19, 350; Zeuli 20, 228.

**Biharmonische und metaharmonische Funktionen** Cesari 19, 262; Cimmino 19, 263; Ciorănescu 18, 410; Colucci 17, 352, 353; Gageff 18, 26; Ghermanescu 17, 261; 18, 27; Gor-



gidze 19, 349; Haag 19, 411; Nicolesco 16, ●25 115; 17, 68; 18, 152; Picone 16, 115; 17, 261; Privaloff et Pehelin 18, 26; Savin 20, 227; Soboleff 18, 26.

**Entwicklungen harmonischer Funktionen** (s. a. *Spezielle Funktionen*) Ciorănescu 19, 112; Keldych et Lavrentieff 17, 207.

**Harmonisches Maß, Kapazitätskonstante** (s. a. *Funktionentheorie, Harmonisches Maß*) Erdős and Gillis 17, 115; Frostman 18, 408; Germansky 19, 111; Gillis 18, 57; Hall 16, 216; Leja 18, 56, 251, 350; Privaloff 18, 72; Riesz 18, 407; Selberg 17, 260; Ursell 18, 251; Vasilescu 19, ●262.

**Randwertaufgaben** (s. a. *Funktionentheorie, Randwertaufgaben*) Barta 17, 260; Brelot 18, 258; 19, 66; Cabrera 19, 351; Caccioppoli 18, 404; Carathéodory 17, 260; Cesari 17, 212; Cibrario 19, 409; Courant 17, 268; Fouillade 19, 67; Frostman 18, 408; Fubini 20, 229; Hornich 16, 213; Inouye 19, 216, 351; Irie 19, 310; Jacob 17, 352; Keldych 19, 66; Keldych et Lavrentieff 16, 402; Keldych et Sedov 17, 116; Lebesgue 17, 16, 352; Liénard 17, 402; 19, 264; Louchinin 19, 307; Magnaradze 19, 308; Monna 18, 25; Neumann 20, 304; Nevanlinna 20, 28, 29; Nicolesco 18, 309; Pogorzelski 19, 216; Poritsky 18, 26; 19, 351; Riesz 18, 407; Seth 20, 364; Stefani 19, 350; Stevenson 19, 239; Tautz 20, 132; de la Vallée Poussin 18, 152; Vasilescu 20, ●229.

**Spezielle Potentiale** Adams 17, 261; 18, 127; Agostinelli 20, 27; Bateman 20, 22; Bilger 18, 25; Bredo 17, 261; Daymond and Rosenhead 19, 217; Endő 19, 307; Ghosh 16, 59; Grünberg 19, 25; Hallén 16, 256; Hodgkinson 18, 407; Hurst 18, 259; Kizel 16, 329; Knight and McMullen 17, 118; Kobayashi 20, 230; Love 20, 321; Meksyn 19, 309; Morris 16, 213; Plancherel 18, 215; Waldmann 17, 116; Wirtinger 16, 115.

**Subharmonische Funktionen** Beckenbach 19, 67, 350; Brelot 16, 395; 17, 116; 18, 152, 258; 19, 215, 351; Bünnemann 20, 226; Colucci 20, 130; Dinghas 17, 73; Frostman 16, 106, 396; Keldych 17, 212; Malchair 16, 17, 353; Privaloff 18, 72, 408; 19, 25, 118, 119, 222, 223; Radó 16, 161, ●249; Riesz 18, 407; Solomentsev 20, 364.

**Potenzreihen** s. *Funktionentheorie, Potenzreihen und andere Reihenentwicklungen analytischer Funktionen*.

**Potenzreite** s. *Zahlentheorie, Potenzreite*.

**Primzahlen** s. *Zahlentheorie, Primzahlverteilung*; s. *Zahlentheorie, Teilbarkeitsfragen*.

**Projektive Differentialgeometrie** s. *Differentialgeometrie, projektive Differentialgeometrie*.

**Projektive Geometrie** s. *Analytische und projektive Geometrie, projektive Geometrie*; s. *Grundlagen der Geometrie, projektive Geometrie*.

**Punktmengen** s. *Mengenlehre, Punktmengen*.

**Quadraturformeln** s. *Approximation von Funktionen, Quadraturformeln*.

**Quantentheorie** (s. a. *Astrophysik*; s. a. *Philosophie der Physik*) Badarau 19, 426; Benham 20, 83; Bethe 20, 83; Bhar 20, 179; Birkhoff 18, 336; Bloch and Nordsieck 17, 235; Bohr 20, 84; Borel 20, ●313; Born 20, 273; de Broglie 16, 285; 17, ●139; Buhl 18, 44; Datzeff 19, 426; Dingler 20, 324; Dirac 16, 185; de Donder 19, ●360; Dugas 17, 285; Foradori 20, 273; Froehlich 20, 83; Greinacher 20, ●324; Holzapfel 16, 92; Husimi 17, 192; Jordan 17, 42; 18, 183; Kaliviaris 20, 324; Kramers 18, ●44; Krätzer 16, 338; Kiveliovitch 18, 184; Labocetta 19, 427; Landau 16, 286; Landé 19, 189; March 19, 427; Muskat and Hutchisson 16, 286; Ostertag 18, 183; Pauli 20, 324; Svartholm 19, 426; Swann 17, 235; Tappert 20, 83; Thomson 20, 273; Wentzel 20, 83; Woolley 19, 90.

**Atome** Araki 16, 192; Bartels 16, 287; Bartlett 16, 240; Buchanan 20, 84; Buckingham 16, 240; Candler 16, ●286; Coolidge and James 16, 403; Darrow 16, 431; Elenbaas 20, 416; Elwert 20, 279; Gombás 16, 48; Gronwall 16, 239; Jenkins and Segrè 20, 179; Joos u. Hellwege 16, 95; Kahan 17, 141; Kar 17, 46; Kuhn 16, 143; Lowen 16, 141; Möglich 19, 189; Motz and Rarita 17, 235; Niewodniczański 16, 48; Pincherle 17, 46; Rabi 17, 235; Renner 16, 286; Saha and Rai 20, 416; Sauvenier 20, 416; Schiff and Snyder 20, 179; Stevenson 16, 95; Swirles 20, 412; Tamm 20, 179; Yamanouchi 17, 94.

**Chemie, Valenz** Gombás 16, 144; Schouls 16, 48.

**Elementarteilchen** Beck 20, 332; Biben 20, 420; de Broglie 17, 141; Bronstein 16, 428; Cernuschi 17, 141; Clay, Jonker and Wiersma 20, 280; Crane 20, 332; Destouches 20, 330; Duffin 20, 90; Ehrenfest et Fréon 20, 91; Fierz 20, 189; Fock 16, 141, 428; 17, 45; 20, 189; Géhéniau 16, 47; 19, 430; 20, 91; Hermann 18, 380; Hönl 16, 188; 19, 429; Ivon 20, 330; Iwanenko 20, 91; Johnson and Pomerantz 20, 280; Jordan 16, 335, 428; 20, 280; Kakinuma 16, 286; Kemmer 18, 336; Kofink 17, 46; Kramers 18, ●44, 45; de Kronig 16, 285; Kwal 20, 91; Madhava 19, 48; Majorana 16, 427; March 18, 45; Mariani 20, 280, 331, 420; Markow 16, 189, 381; Massey and Corben 20, 280; Mercier 20, 331; Möller and Rosenfeld 20, 331; Nath 16, 335; Nordheim 20, 331; Nordheim, Nordheim, Oppenheimer and Serber 16, 428; Placinteanu 16, 239, 336; 17, 192; 18, 336; Proca 16, 189; 20, 90, 419; Proca et Goudsmit 20, 331; Pryce 16, 336; Roubaud-Valette 16, 47; Scherzer 20, 330; Schrödinger 19, 285; Sokolow 17, 285, 332; 20, 189, 420; Solomon 17, 285; 18, 184; v. Stueckelberg 19, 285; 20, 90; Tomonaga and Kobayasi 20, 91; Tonnelat 20, 90, 331; Tonnelat-

- Baudot 19, 92; Wannier 17, 332; Weisz 20, 332; Wessel 19, 430; Wilson and Cattermole 20, 280.
- Feste Körper (s. a. Kristallographie)** Ariyama 17, 46; Baber 16, 192; Banerjee 20, 278; Bardeen and van Vleck 20, 276; Bender 20, 327; Bhawalkar 17, 141; Blackman 16, 144, 192; Blokhintzev 16, 96; Blokhintzev and Davydov 20, 183; Blokhintzev and Spasskij 20, 182; Brill, Grimm, Hermann u. Peters 20, 418; Broch 17, 286; Cashman 20, 184; Casimir 20, 183; Center 19, 429; Chang 17, 286; Condon 20, 86; Duyckaerts 20, 418; Ewald 19, 47; 20, 184; Farineau 16, 432; Finbak 20, 279; Frank 20, 327; Frenkel 20, 182; Fröhlich 16, 96, 384; Galperin 16, 287, 384; Gombás 16, 144; 19, 429; Guggenheim 20, 85; Gupta 20, 86; de Haas et Schultz 20, 278; Harding 16, 384; Jensen 19, 428; 20, 182; Johnson 16, 432; Klein 18, 381; Kohler 16, 432; 20, 86; Kossel 20, 85; Kramer 20, 184, 328; de Kronig 20, 277; van Laer 20, 277; Lamb 20, 278; Landau 16, 432; Landau u. Pomerantschuk 16, 96, 431; Landau u. Rumer 16, 192; v. Laue 16, 240; 18, 46; 19, 48; Lennard-Jones and Devonshire 16, 143; 20, 327; London 17, 286; Lyddane and Herzfeld 20, 181; Masyama 16, 144; Meixner 20, 86; Migdal 20, 183; Miyahara 20, 183; Mott 16, 336; Muto 17, 95; Opechowski 17, 47; Papapetrou 19, 429; Pauling 20, 85; Peterson and Nordheim 16, 96; Pomerantschuk 20, 183; Satō 16, 432; Sauter 20, 86, 182; Schubert u. Wonsowsky 16, 96; Sergeev 20, 184; Shur 20, 277; Slater 16, 144; 17, 46, 286; Smirnov 20, 182; Steiner u. Grassmann 17, 235; Stoner 20, 277; Strachan 16, 144; Thiessen u. Molière 20, 417; van der Veen and Ornstein 20, 418; Venkatarayuda 20, 329; Wannier 17, 236; Weigle et Mühsam 16, 432; Welker 20, 87; Westerfield 20, 183; Wick 17, 46; Wilson 17, 332.
- Gase und Flüssigkeiten** Auluck 20, 275; Barchewitz et Parodi 20, 415; Bernstein and Martin 20, 84; Bijl 16, 143; de Boer and Michels 19, 428; 20, 276, 414; Chang 20, 276; Cherenkov 20, 279; Childs and Jahn 20, 326; Clark and Stoves 20, 414; Falkenhagen 20, 276; Fursov 16, 431; Fürth, Ornstein u. Milatz 20, 326; Guareschi 20, 415; Herzfeld and Teller 20, 84; Jahn 19, 428; Lenz 20, 181; Levine 20, 414, 415; Lewschin 16, 143; London 19, 427; Lucas 20, 181; Margenau 20, 327; Mueller 20, 181; Müller 20, 276; Neugebauer 16, 48; 20, 415; Peierls 20, 84; Piekara 20, 414; Sibaiya and Rao 20, 415; Srivastava 19, 285; Tisza 19, 428; Unsöld 20, 85; Wolkenstein 20, 415.
- Kernphysik** Achieser u. Pomerantschuk 16, 383; Alfvén 20, 334; Alichanian and Nikitin 20, 420; Anderson, Booth, Dunning, Fermi, Glasoe and Slack 20, 422; Badarau 20, 88; Bardeen 16, 430; Bardeen and Feenberg 20, 89; Bechert 16, 48; Beck et Havas 20, 384; Bethe 17, 140; 20, 334, 431; Bethe, Hoyle and Peierls 20, 187; Bethe and Placzek 16, 190; Bethe and Rose 16, 93, 142; Bohr 17, 139; Born 19, 286; Breit 16, 189; Bruins 20, 334; Camp 16, 428; Casimir 16, 429; Christy and Kusaka 20, 420; Clay 20, 283; Clay, v. Gemert and Clay 20, 282; Darrow 20, 187; Dmitriev 20, 187; Dodé, v. Halban, Joliot et Kowarski 20, 422; v. Droste 20, 421; Euler 16, 429; Feather and Bretscher 20, 333; Feenberg and Phillips 16, 285; Feenberg and Wigner 16, 94; Ferber 19, 360; Ferretti 16, 382; 20, 90; Fierz 16, 94, 95, 428; Fisher and Peck 20, 281; Flügge 17, 45; Frank 16, 239; Frisch 20, 282; Fröhlich u. Heitler 16, 48; Fröhlich, Heitler and Kemmer 18, 381; Gamow 20, 423; Goldstein 17, 45, 192; 20, 185; Golovin 19, 429; Grönblom 18, 184; Grönblom and Marshak 20, 281; Gurevich 20, 186; Haenny et Rosenberg 20, 422; Hahn u. Strassmann 20, 421; v. Halban, Joliot and Kowarski 20, 422; v. Halban, Kowarski et Magat 20, 334; Heisenberg 20, 89; Heitler 20, 90; Heyn, Aten and Bakker 20, 334; Horvay 20, 185; Hoyle 17, 332; Hund 16, 190; Inglis 16, 190; 20, 332; Inglis and Young 16, 142; Ivanenko and Sokolov 19, 429; Jentschke u. Frankl 20, 282; Johnson 20, 282; Joliot 20, 333, 421; Jordan 16, 189; Kahan 20, 281; Kahn 16, 336; Kalckar, Oppenheimer and Serber 17, 140; Kellogg, Rabi, Ramsey and Zacharias 20, 281; Kroeger 20, 185; Krüger 20, 185; Landau 16, 382; Lee and Libby 20, 281; Magnan 20, 422; March 17, 94; Martin and Townsend 20, 333; Mattauch u. Lichtblau 20, 185; Meitner and Frisch 20, 422; Mercier 16, 191, 239; Möller 16, 142, 190; Motz and Feenberg 20, 184; Nagakura 20, 420; Nahmias 20, 281; Nakabayasi 16, 429; Nier 20, 333; Nordheim, Nordheim, Oppenheimer and Serber 16, 428; Nordheim and Jost 16, 382; Perey 20, 89; Primakoff 16, 430; Racah 20, 88; Radziński 20, 333; Rarita and Present 16, 383; Rarita and Slawsky 20, 88; Rasetti 20, 88; Regener u. Ehmert 20, 334; Richardson 16, 191; Riezler 17, 192; Rumer 16, 189, 286; Savitch 20, 333; Schiff 17, 46; Schmidt 20, 89; Schott 16, 336; Schüler u. Gollnow 20, 186; Segre 20, 333; Sexl 16, 48; Shonka 20, 283; Smythe 20, 281; Solomon 16, 430; 20, 187, 332, 333; Stephenson 16, 189; Swann 20, 282; Thibaud et Moussa 20, 333; Thompson 20, 188; Tisza 16, 428; Tolansky 20, 333; Tomonaga 17, 141; Tomonaga and Umeda 16, 430; Umeda 20, 420; Umeda u. Ôno 18, 45; Umeda, Tomonaga and Ôno 16, 430; Vallarta 20, 334; Vallarta and Feynman 20, 283; Vallarta, Graef and Kusaka 20, 422; Veksler, Alekseeva and Reynov 20, 283; Volz 17, 45; Wefelmeier 20, 281; Weisskopf 17, 141; v. Weizsäcker 16, 48; 19, 190; 20, 186; Wentzel 16, 94, 429; 20, 422; Widdowson 20, 89; Wigner 16, 383; Wilson 20, 187; Yamanouchi 16, 429; 17, 141; Zavelsky 20, 187.
- Magnetismus** Becquerel et van den Handel 20, 419; Gogate 16, 240; Honda u. Hirone 20, 328; Kennard 20, 328; Kramers 16, 288; de Kronig and Bouwkamp 20, 329; Lifschitz 16,



288, 383; Opechowski 16, 288; Papapetrou 16, 383; Penney and Kynch 20, 328; Schwinger 16, 288; Steiner u. Schoeneck 20, 328.

**Moleküle** Barchewitz 20, 274; Bernard et Manneback 20, 326; Biedermann and de Groot 20, 413; Bogdanovich 16, 192, 288; Budo u. Kovács 20, 275; Burkard 20, 275; Chakravorti 18, 381; Ciccone 20, 416; Condon 17, 331; Coulson 16, 115, 141; 20, 326; Debye 20, 179; Debye u. Pirene 20, 275; Devonshire 16, 287; Eucken u. Schäfer 20, 275; Gerö u. Schmid 20, 274; Hughes and Starr 20, 274; Jablonski 20, 180; Jahn 19, 90; Jahn and Teller 17, 94; James and Coolidge 20, 274; King 16, 287; Kirkwood 16, 431; Kohlrausch 20, 416; Kotani 16, 287; Kovacs 16, 431; 20, 275; Massey and Buckingham 20, 325; Mizushima and Morino 20, 416; Nielsen 20, 274; Pirene 20, 414; Schüler, Gollnow u. Haber 20, 413; Sutherland 20, 325; Veselov 20, 179.

**Quantenmechanik** Brillouin 16, 359; Courtines 17, 139; Datzeff 16, 188, 403; 18, 362; Dugas 16, 188; 19, 285; Elsasser 17, 414; Fowler 16, 172; Gropper 16, 95; James and Coolidge 16, 403; Kapur and Peierls 18, 46; Kofink 16, 93; Labocetta 16, 238; Landé 17, 92; Maeda 17, 266; Mineur 17, 41; Newing 17, 167; Ostertag 17, 93; Pauli u. Fierz 17, 139; Proca 18, 381; Rosenthal and Motz 16, 382; Sakai 16, 441; Schuchowitzky and Olewsky 16, 403; Slater 17, 44; Sommerfeld u. Welker 18, 310; Stevenson 16, 382; Thomas 16, 48; Tolman 19, 359; Urban 19, 119.

**Relativistische Quantenmechanik, Quantenelektrodynamik** (s. a. *Relativitätstheorie, einheitliche Feldtheorie*) Achieser 17, 192; Bay u. Szepesi 20, 329; Becker 20, 419; Benedictus 19, 91; Bogdanovich 16, 284; Born 18, 183; Breit 18, 336; Broch 16, 239; Caldirola 20, 188, 329, 419; Chraplywy 16, 335; 18, 184; Chu 20, 279; Conway 17, 167; Dancoff and Morrison 20, 280; Darrieus 16, 427; Destouches 17, 93, 192; Dirac 16, 284; de Donder et Géhéniau 16, 381; Dugas 16, 335; Ertel 17, 311; Ferretti 17, 94; Flint 16, 140; Fock 18, 183; Franz 19, 432; Géhéniau 20, 188; Gomez 17, 148; 18, 98; Góra 19, 432; Hill and Landshoff 19, 285; Hoffmann and Infeld 16, 284; Hönl u. Papapetrou 20, 423; Hoyle 16, 191; Infeld 16, 140; 17, 93; Iwanenko u. Sokolow 17, 234; Iwatsuki, Mimura and Morinaga 18, 187; Johnson and Primakoff 16, 191; Jordan 16, 335; Kwal 16, 239; Lemaitre 18, 45; Lowen 16, 141; Ludeke 20, 280; McCrea 20, 188; Madhava Rao 17, 139, 192; 19, 90; Mandel 19, 90; March 17, 44, 139; Markov 16, 189, 381, 427; 18, 336; Mathisson 17, 430; Meixner 16, 427; Milkut 18, 336; Milne 19, 90; Nath 16, 335; Novobatzky 20, 88; Ott 19, 431; Pasternack 20, 87; Petiau 18, 217, 362; 20, 188; Placinteanu 17, 44; Podolsky 19, 48; Pryce 16, 238, 336; Rose 16, 48; Roubaud-Valette 16, 239; 18, 45, 98; 19, 431; 20, 419; Rozhanskij and Frenkel 18, 380; Sakata and Yukawa 17, 93; Scherrer 16, 238; 17, 331; 18, 45; Scherzer 19, 431; Schönberg 19, 48, 431; Serpe 20, 188; Sibata 18, 187; Solomon 20, 189; Sommerfeld 17, 45; v. Stueckelberg 16, 93; 17, 285; Šubin and Smirnov 16, 285; Taub 16, 284; 20, 88; Tolotti 17, 142; Tonolo 16, 28, 116; Wataghin 17, 430; 20, 88; Watanabe 16, 238; Watson 18, 184; Weiss 16, 140; 19, 430, 431; Weisskopf 16, 238; Whittaker 16, 79; Wiśniewski 16, 336; Yamamoto 16, 422; 19, 285; Yvon 18, 45.

**Stoßprozesse, Streuung** Baker 16, 192; Bell 16, 141; Bhabha and Heitler 17, 94; Bopp 17, 94; Boriasov, Brailovski und Leipunski 20, 87; Breit and Stehn 17, 95; Bronstein 16, 288; Dmitrieff 16, 286, 287; Eddington 17, 141; Fabrikant 20, 417; Frame 16, 95; Granovsky 20, 417; Halpern, Lueneburg und Clark 18, 310; Harding 16, 384; Houston 20, 180; Hughes and Starr 20, 274; Jensen 17, 94; Kemmer 16, 142; Kemmer u. Ludwig 16, 431; Lamb 16, 287; Laperte 20, 87; Lifshitz 20, 186; Maurer 20, 278; Nordsieck 17, 235; Ornstein 16, 431; Ornstein und Uhlenbeck 16, 431; Racah 16, 336; Rose and Bethe 20, 278; Schiff 16, 430; 17, 332; Schwinger 16, 287; Staub und Stephens 20, 278; Way 16, 192; Wick 16, 384; 17, 141; Williams 20, 329; Yukawa und Sakata 17, 285.

**Quasianalytische Funktionen** s. *Funktionentheorie, quasianalytische Funktionen*.

**Quaternionen** s. *Funktionentheorie, Verallgemeinerungen*; s. *Körpertheorie, Ringe usw., hyperkomplexe Systeme*; s. *Vektorrechnung, Quaternionen*.

**Randwertaufgaben** s. *Differentialgleichungen*; s. *Funktionentheorie, Randwertaufgaben*; s. *Potentialtheorie, Randwertaufgaben*.

**Raumeinteilung** s. *Elementargeometrie und Konstruktionen, Polyeder und reguläre Raumeinteilung, Rechenmaschinen* s. *Numerische und graphische Methoden, Maschinenrechnen*.

**Reelle Funktionen** (s. a. *Mengenlehre*) Adams und Clarkson 20, 297; Andreoli 17, 347; Braun 17, 347; Cassina 16, 296; 17, 105; Cesari 17, 255; 19, 113; Damköhler 19, 352; Delange 20, 11; Denjoy 17, 105; Dieudonné 18, 57; Dobsch 18, 118; Egyed 19, 9; Faedo 18, 248; Fried 17, 159; 18, 248; Froda 19, 203; Giuliano 20, 298; Gunther 20, 131; Hartman und Kershner 18, 12; Hartogs 17, 301; Jurek 19, 202; Kakutani 19, 297; van Kampen und Wintner 17, 203; Kempisty 18, 114; Krzyżański 19, 10; Kunugui 17, 159; 18, 349; Maker 20, 10; Malchair 18, 349; Mandelbrojt 16, 55, 296; Marcinkiewicz 19, 298; Maximoff 18, 57; Morse 16, 105; 20, 12; Neubauer 19, 401; Nicosesco 20, 350; Nikodym 19, 298; Obrechhoff 20, 298; Oxtoby 16, 296; Pettis 19, 201; Popoviciu 18, 250; Pospíšil 19, 400; Privaloff 17, 395; Radaković 18, 57; Schoenberg 19, 159, 415; Sierpiński 16, 296; 17, 20, 201, 300; 18, 55, 114;

- 19, 400; 20, 350, 351; Srinivasiengar 19, 401; Terasaka 20, 78; Tonelli 17, 255; Torrance 18, 349; Vitali e Sansone 16, ●157; Young 16, 105; Zahorski 19, 56.
- Derivation** Besicovitch and Ursell 16, 17; Čelidze 16, 297; Chiellini 16, 297; Denjoy 17, 9; Green 20, 352; Guareschi 16, 158; Iyengar 20, 351; Izumi 17, 203; Jeffery 16, 158; Krejčí 19, 401; Morse 19, 401; Roger 18, 250; 19, 55; Soula 17, 250; Tchelidze 18, 58; Ward 16, 158; 17, 347; 18, 114.
- Integrations- und Maßtheorie** Agnew 16, 56; Appert 17, 106, 107, 215; Asano 17, 203; Baiada 20, 108; Besicovitch 18, 113, 249; 20, 10; Birkhoff 18, 134; Carathéodory 20, 297; Copeland 17, 107; Dickinson 20, 10; Doob 20, 109; Fabian 17, 301; 18, 301; Fréchet 16, 55; Froda 19, 203; 20, 350; Gelfand 18, 71, 72; Gillis 18, 57; Glivenko 17, ●61; Gowurin 16, 61; Hartman and Kershner 18, 249; Hildebrandt 19, 56; Izumi 17, 203; 18, 58; Jardetzky 17, 107; Jeffery 16, 158; 20, 11; Jessen 18, 349; John 16, 205; Kaltenborn 18, 248; Keldych 18, 394; 19, 55, 159; Kempisty 19, 9; Kestelman 17, ●106; Kondó 17, 159; Kondurar 17, 160; Kovanko 19, 11; Kryloff et Bogoliouboff 16, 86; Levi 16, 56; Iuikens 17, 9; MacNeille 18, 349; 20, 297; Marcinkiewicz 20, 11; Markoff 18, 114; 20, 108; Natanson 19, 203, 401; Nikodym 19, 298; Pettis 19, 417; Radó 18, 314; 19, 55; Randolph 20, 350; Ridder 16, 56; 17, 60; 18, 249; 19, 202; Roger 18, 250; Saks 17, ●300; 19, 170; Sen 19, 401; Sierpiński 18, 57, 247; Szpilrajn 17, 203; 20, 109; Tarski 18, 394; 19, 54; Ureli 17, 159; Wiener 19, 354; Young 16, 104; 19, 15.
- Konvexe Funktionen** (s. a. *Mittelwerte und Ungleichungen*; s. a. *Potentialtheorie, subharmonische Funktionen*) Beckenbach 16, 352; Pasqualini 16, 43, 228; Popoviciu 19, 298; Toda 16, 17.
- Mengenfunktionen** Bochner 20, 300; Fenchel u. Jessen 18, 424; Fouillade 19, 67; Glivenko 17, ●61; Gunther 18, 132; Leja 18, 350; Nicolesco 18, 250; Sierpiński 18, 114; Tarski 19, 295; Ward 16, 158; 17, 8; 18, 114; 19, 159.
- Reihen und Folgen** (s. a. *Approximation von Funktionen*; s. a. *Dirichletsche Reihen*; s. a. *Fakultätenreihen*; s. a. *Fourierreihen*; s. a. *Funktionentheorie, Potenzreihen und andere Reihenentwicklungen analytischer Funktionen*; s. a. *Summabilitätstheorie*) Agnew 20, 217; Andersen 16, 209; Angelescu 18, 120; Belinfante 19, 98; Bosanquet and Kestelman 20, 354; Bradshaw 19, 209; Chaundy 17, 302; Chowla 17, 5; Das 17, 254; Davenport 16, 201; 17, 391; Dvoretzky 20, 18; Fejér 16, 108, 301; Ferrar 18, ●16; Fort 20, 355; González 20, 353; Guinand 20, 215; Hadwiger 18, 398; Hamilton 18, 253; Hille 18, 6; Hornich 16, 354, 355; 18, 208, 209; 20, 14; Iyengar 20, 353; Jeśmanowicz 19, 340; John 16, 205; Kitagawa 19, 205; Korovkin 16, 209; Lammle 16, 20; Landau 16, 16; Levin 16, 250; 19, 160; Lévy 16, 198; 17, 272; Ludwig 17, 108; McDonald and Sharpe 16, 301; de Marco 20, ●15; Mayrhofer 18, 209; Moritz 19, 15; Moschick 17, 177; Nicolesco 18, 352; Orlicz 16, 160; Petrovitch 19, 339; Picone 16, 209; Rajagopal 16, 301; 17, 254; 20, 14; Randels 18, 117; Rosenblatt 20, 110; Sakurai 20, 112; Sasaki 17, 161; Schubert 18, 209; 20, 354; Ser 19, 208; Sidon 18, 119; Taylor 20, 216; Tocchi 20, 355; Toscano 17, 12, 349; Vignaux 19, 303; 20, 217; Walsh 18, 116; Watson 16, 399.
- Spezielle Zahlenfolgen** (s. a. *Differenzenrechnung*; s. a. *Polynome und algebraische Gleichungen, spezielle Polynomklassen*; s. a. *Zahlentheorie, zahlentheoretische Funktionen*) Cioranescu 18, 353; Lehmer 19, 9; Mirimanoff 17, 62; Terrill 17, 204; Toscano 17, 349; Vandiver 17, 100.
- Reihentransformationen s. Summabilitätstheorie, Reihentransformationen.**
- Relativitätstheorie** (s. a. *Astrophysik, Kosmogonie*; s. a. *Differentialgeometrie*; s. a. *Quantentheorie*) Arnot 19, 92; Barbulescu 20, 284; Bucerius 16, 422; Caldirola 20, 419; Chadenson 19, 192; Chwistek 18, 382; Destouches 16, 184; 17, 95; Dirac 16, 185; Dive 16, 421; 17, 236; 18, 185; de Donder et Dupont 16, 233, 422; Esclangon 16, 281; 20, 92; Etherington 16, 283; Finzi 20, 284; Freud 20, 423; Garcia 18, 281; 19, 91; Gilbert 19, 192; Groenewold 20, 284; Haenzel 18, 86; Haskey 20, 286; Hély 17, 331, 384; Hermann 18, 383; Hosokawa 17, 237; Hussain 16, 184; Ives 16, 281, 421; 17, 142, 332; Iwatsuki, Mimura and Morinaga 17, 238; Jankowski 18, 187; Krishnama Chari 16, 185; Kwal 18, 429; Labocetta 16, 282; 19, 192; Lalan 17, 95; Lanczos 19, 379; Leavitt 20, 284; Le Roux 17, 430; Levi-Civita 18, 185; Lichnerowicz 17, 142; Loiseau 19, 379; Lubański 19, 91; MacColl 20, 92; McCrea 19, 286; 20, 424; McVittie 18, 384; Mandel 17, 236; 19, 90; March 17, 44, 139; Mathisson 17, 430; Meurers 18, 86; Michalskij 18, 429; Milne 17, 430; 19, 90; Milne and Whitrow 18, 382; Mimura 17, 237; Mimura and Hosokawa 17, 238; Mimura and Iwatsuki 17, 238; Morinaga 17, 237, 238; Morinaga and Sibata 17, 237; Mukerji 20, 92; Narlikar and Singh 16, 185; Oppenheimer and Volkoff 20, 285; Oseen 17, 332; Pastori 20, 286; Radojčić 17, 236; Reichenbacher 17, 430; Reid 19, 379; Riversdale 19, 379; Robertson 16, 282; 17, 96; Roubaud-Valette 18, 383; Rumer 17, 429; Ruse 16, 421; Sen 16, 184; Shabde 17, 333; Sibata 17, 238; Solomon 20, 93; Sommerfeld 17, 45; Subba Rao 19, 91; Sulaiman 16, 281; 19, 91; 20, 92; Sygne 18, 185; Takeno 17, 236; Temple 19, 380; 20, 91; Tolman 20, 284; Tolotti 17, 142; Vogtherr 20, 423; Volkoff 20, 285; Wataghin 17, 430; v. Weizsäcker 20, 284; v. Weyssenhoff 17, 142; Wigner 20, 296; Yamamoto 16, 422; 19, 285; Yano 17, 333, 430; 20, 286.
- Einheitliche Feldtheorie** (s. a. *Differentialgeometrie, Übertragungen, allgemeine*; s. a. *Quantentheorie, relativistische Quantenmechanik, Quantenelektrodynamik*) Born 18, 429; Einstein and



- Bergmann 19, 287; Hosokawa 18, 283; Iwatsuki, Mimura and Morinaga 18, 187; McVittie 17, 335, 336; Nernst 17, 142; Ruse 16, 181; Sambursky 17, 144; Scherrer 18, 429; Schouten 16, 418; Sibata 18, 187; Simasaki 17, 142; Takeno 19, 380; Taub 16, 284; ten Bruggencate 17, 96; Wataghin 18, 188; Yano 16, 419; 20, 93.
- Expanding universe und Verwandtes** Arnot 19, 92; Fiorentini Campolieti 18, 187, 283; Fricke 18, 430; 19, 92; v. Kalmár 20, 285; Kosambi 18, 283; Machiels 18, 287; McVittie 18, 430; Milkutat 18, 430; Milne 16, 185, 423; Milne and Whitrow 18, 382; Oseen 18, 186; Sen 18, 286; Shapley 18, 186; Udeschini 16, 283; Wodetzky 19, 286.
- Gravitationstheorie** Chou 17, 384; Datt 18, 186; Eddington and Clark 19, 91; Einstein, Infeld and Hoffmann 18, 281; Einstein and Rosen 17, 96; Finzi 19, 286; Garcia 18, 185; Gilbert 19, 192; Hanni 17, 236; Hönl u. Papapetrou 20, 423; Infeld 19, 92; Labocetta 17, 95; Levi-Civita 16, 185, 282; Lichnerowicz 18, 185, 186; Milne 16, 185, 423; Mukherji 20, 284; Oseen 18, 186; Robertson 18, 282; Roubaud-Valette 18, 383; Silberstein 17, 333; Stellmacher 17, 213; 19, 27; van Stockum 16, 283; 18, 282; Sulaiman 20, 424; Synge 16, 283, 421; Tikhov 17, 236; Venturelli 18, 430; Wachtel 16, 381; Wataghin 18, 186; v. Weyssenhoff 17, 334.
- Riemannsche Geometrie s. Differentialgeometrie, Riemannsche Geometrie.*
- Riemannsche Matrizen** (s. a. *Körpertheorie, Ringe usw.*; s. a. *Lineare Algebra, Matrizen und Determinanten*) Lo Voi 17, 291; Scorza 20, 199; Turri 19, 54; 20, 161.
- Ringe s. Körpertheorie, Ringe usw.*
- Schaltungen s. Elektrodynamik, Schaltungen.**
- Schlichte Funktionen s. Funktionentheorie, schlichte Funktionen.**
- Siebketten s. Elektrodynamik, Schaltungen.**
- Spezielle Funktionen** (s. a. *Algebraische Funktionen und Abelsche Integrale; s. a. Elliptische Funktionen und Verwandtes; s. a. Polynome und algebraische Gleichungen, spezielle Polynomklassen*) Airey 17, 256; Alaci 20, 352; Banerjee 20, 21; Bateman 19, 61, 164; 20, 22; Bernstein 20, 352; Brelot 17, 67; Condon and Greenwood 17, 350; de Duffahel 16, 109; Erdélyi 16, 21, 22, 162; 19, 21, 26, 164, 256; 20, 118; Ermolajev 17, 67; Feldheim 17, 411; Fisher 17, 66; Furch 20, 356; Geronimus 19, 271; Giaccardi 20, 153; Howell 18, 255; Hsü 19, 61; Jaeger 20, 116; Jahnke u. Emde 19, ●131; von Koppenfels 20, 220; Koschmieder 17, 350; Lagrange 18, 303; Lebedev 16, 253; McLachlan 19, 343; Mehrotra and Shastry 16, 398; Meijer 18, 149, 304; 19, 62, 344; 20, 21, 117; Mitrinovitch 16, 111; Okaya 19, 342; Sakurai 19, 61; Schoblik 20, 114; Ser 16, 399; 19, 208; Shabde 17, 110, 257; 19, 255; Shastri 18, 399; 19, 212; 20, 21; Spencer 18, 60; Syóno 18, 356; Szegő 16, 399; Touchard 20, 218; 365; Varma 17, 110; 19, 113; Watson 16, 253; 17, 349; 19, 425.
- Besselsche und Zylinderfunktionen** Agostinelli 20, 322; Bailey 19, 19; Banerjee 16, 111; Bijl 17, 13; Bowman 20, ●112; British association 17, 415; Buchholz 20, 356; Burkhardtmaier 20, 219; Clapp 17, 110; Cooke 17, 257; Copson and Ferrar 18, 60; Deisarte 16, 251; Emde 17, 396; Erdélyi 16, 162; 18, 304; 19, 342; Fischer 17, 396; Howell 17, 396; 18, 149; Humbert 17, 304; Kitagawa 19, 255; Korn 19, 120; Košljakov 16, 207; 20, 113; Lightfoot 18, 59; McLachlan 19, 256; McLachlan and Meyers 16, 252, 357; MacRobert 16, 162; Mitra 17, 256; Mohan and Shastry 19, 114; Noether 17, 263; Palamà 19, 212, 343; Popov 16, 110; Rice 18, 305; Sastry 20, 357; Shabde 17, 110; 19, 344; Sharma 16, 162; 17, 304; Shastry 19, 21, 212; Takegami 20, 363; Varma 16, 398; 17, 13; 18, 213; 19, 212; 20, 219; Watson 18, 59; Weyrich 16, ●161.
- Gammafunktion** Arley 16, 160; Böhmer 20, ●211; Dreyer 18, 159; van Engen 20, 21; Furch 20, 356; Okaya 19, 342; Petrovitch 16, 251; Savur 18, 83; Tchakaloff 19, 342; Tricomi 20, 356; Vilímek 16, 21; Watson 16, 399.
- Hypergeometrische Funktionen** Archibald 19, 256; Bailey 16, 252; 17, 14; 18, 305; Bateman 16, 399; Chaundy 19, 258; Dhar 18, 150; 20, 219; Erdélyi 16, 21, 22, 357; 17, 65, 163, 304; 18, 19, 399; 19, 255; 20, 220; Gheorghiu 19, 20; Gran Olsson 16, 317; Hadwiger 16, 251; Horn 18, 122; Howell 16, 251; 17, 396; Kampé de Fériet 17, ●305; v. Koppenfels 17, 164; MacRobert 18, 61; 19, 20, 213; Mayr 16, 357; 20, 339; Mehlenbacher 18, 19; Meijer 16, 252; 17, 14; 18, 20, 123; 20, 115, 357; Pasternack 16, 37; Poole 19, 213; Sansone 17, 64; Schulz 16, 147; Sen and Rangachariar 16, 22; 19, 19; Shabde 16, 23; 20, 117; Sharma 17, 304; 18, 150, 304; Shastry 20, 118, 117; Smith 19, 62; Svartholm 20, 121; Watson 16, 399; Whipple 16, 23.
- Kugelfunktionen und Verwandtes** Agostinelli 20, 27; Angelescu 18, 356; Bailey 18, 122; 19, 211; Banerji 18, 19; Bateman and Rice 18, 254; Beale 18, 255; Erdélyi 18, 255; Feldheim 18, 213; Fouquet 16, 110; Gheorghiu 18, 303; Giulotto 20, 114; Gormley 17, 350; Gratton 17, 143; Howell 18, 18, 255; 19, 18; Koschmieder 18, 303; Lagrange 16, 21; Lewy 19, 117; MacRobert 16, 162; 17, 64; Malurkar 17, 257; Meijer 18, 213; Palamà 18, 68, 398; Picone 18, 18; Schmidt 17, 367; 18, 418; Ser 18, 118; Shabde 17, 13, 350; Smith 19, 18; Somigliana 19, 308; Spencer 18, 60; Szegő 18, 303; Tallqvist 16, 317; 19, 131; Watson 18, 213, 398.
- Laguerresche, Hermiteische und verwandte Polynome** (s. a. *Polynome und algebraische Gleichungen, spezielle Polynomklassen*) Bailey 19, 163; 20, 356; Blaum 19, 133; Ciorănescu 19, 10; Erdélyi 19, 113, 342; Feldheim 19, 114, 164; Koros 20, 215; Krall 20, 20; Palamà 19,

61, 343; 20, 114, 132, 222; Sakurai 20, 112; Satô 19, 343; 20, 115; Watson 19, 163, 406; 20, 218.

**Tschebyscheffsche Polynome** McCarthy 20, 115.

**Statistik** s. *Wahrscheinlichkeitsrechnung, Statistik*.

**Statistik, physikalische** s. *Kinetische Theorie der Materie; s. Mechanik, statistische Mechanik; s. Quantentheorie; s. Thermodynamik*.

**Stellarstatistik** s. *Astrophysik, Stellarstatistik*.

**Stellarstruktur** s. *Astrophysik, Stellarstruktur*.

**Stochastische Prozesse** s. *Wahrscheinlichkeitsrechnung, stochastische Prozesse*.

**Subharmonische Funktionen** s. *Potentialtheorie, subharmonische Funktionen; s. Reelle Funktionen, konvexe Funktionen*.

**Summabilitätstheorie** (s. a. *Fourierreihen, Summabilitätstheorie; s. a. Reihen und Folgen; s. a. Taubersche Sätze*) Agnew 18, 355; 20, 217; Andersen 16, 209; Avakumović 20, 16; Birindelli 19, 302; Boas 18, 253; Chow 18, 17, 120; Cooke 17, 303; 18, 17; Cooke and Dienes 19, 339; Curtiss 18, 120; Denjoy 19, 112; Dieulefait 19, 13; Durañona y Vedia 19, 209; Favard 20, 213; Ferrar 17, 12; Fort 20, 15, 355; Ganapathy Iyer 16, 355; Garabedian and Randels 19, 209; Garten u. Knopp 16, 20; Guinand 18, 132, 363; Hamilton 19, 59; Hamilton and Hill 19, 17; Hill 18, 16; Hüntemann 19, 162; Hyslop 17, 12; 19, 302; Iyengar 19, 302; Jacob 16, 398; 17, 303; Kales 18, 16; Kaluga 18, 354; Karamata 16, 395; 17, 394; 19, 341; Kuttner 18, 354; Macphail and Titchmarsh 16, 29; Marcinkiewicz 17, 207; de Marco 20, 15; Mears 17, 162; Menchoff 19, 162; Mersman 19, 340; Minakshisundaram 20, 17; Obrechhoff 20, 16; Oguivetzky 18, 354; 20, 15; Okada 17, 254; Orlicz 16, 160; Ottaviani 20, 13; Pitt 19, 109; 20, 17; Rado 20, 17; Robertson 16, 395; Rocco Boselli 18, 354; Sansone 17, 110; 20, 16; Sasaki 17, 161; Seybold 16, 21; Silverman 16, 20; Sunouchi 18, 397; Sunyer i Balaguer 20, 216; Turán 19, 17; Vignaux 19, 209, 302.

**Reihentransformationen** Bosanquet 19, 162; Cooke 16, 302; 17, 303; 18, 17; Erdélyi 17, 257; Karamata 19, 113, 340; Moore 19, 18; Raff 19, 160.

**Symmetrische Funktionen** s. *Polynome und algebraische Gleichungen, symmetrische Funktionen*.

**Tafeln** s. *Numerische und graphische Methoden, Tafeln*.

**Taubersche Sätze** (s. a. *Dirichletsche Reihen; s. a. Funktionentheorie, Potenzreihen und andere Reihenentwicklungen analytischer Funktionen; s. a. Integraltransformationen; s. a. Summabilitätstheorie*) Avakumović 16, 160, 249; 20, 16; Boas 18, 253, 254; 20, 17; Bosanquet 19, 162; Ingham 16, 397; Kales 18, 16; Karamata 16, 160, 209, 250; 17, 348, 394; 19, 341; 20, 112; Kienast 17, 55; Levinson 19, 161; Martin and Wiener 19, 34; Menchoff 19, 162; Minakshisundaram 20, 17; Pitt 19, 12, 109, 110; 20, 17; Rado 20, 17, 218; Ramaswami 17, 254, 255.

**Tensorkalkül** s. *Differentialgeometrie, Tensorkalkül*.

**Textilgeometrie** s. *Differentialgeometrie, topologische Fragen, Textilgeometrie*.

**Thermodynamik** (s. a. *Astrophysik, Stellarstruktur; s. a. Kinetische Theorie der Materie*) Achyesser 19, 13; de Backer 17, 18, 70; Blasius 16, 89; Brillouin 20, 320; Clusius 20, 81; de Donder 19, 321; Eucken 20, 319; Goranson 16, 89; Groenewold 20, 320; Husimi 19, 319; Jamin 20, 320; Kofink 16, 93; Landau 16, 240, 329; Leontovich 20, 319; Mayer 16, 89; Mayer and Ackermann 16, 89; Maior 20, 80; Njegovan 17, 42; Pauli u. Fierz 17, 139; Polvani 17, 412; Rutgers and Wouthuysen 16, 89, 329; van Rysselberghe 20, 321; Tolman 19, 359; Yamaoka 16, 328.

**Wärmeleitung** (s. a. *Differentialgleichungen, partielle, parabolische Differentialgleichungen*)

Barile 20, 303; Bock 16, 360; Carslaw and Jaeger 19, 349; Courtener and Chudnovskij 20, 319; Fjeldstad 18, 360; Harms 20, 319; Lowan 17, 167, 309; 18, 309; Pogorzelski 17, 354; Smith 16, 402; Täcklind 19, 306; Vernotte 19, 217.

**Wärmestrahlung** Benford 20, 319; Miduno 20, 81; Milkutat 18, 336; Worthing 20, 319.

**Zustandsgleichung** —.

**Thetafunktionen** s. *Elliptische Funktionen und Verwandtes, Thetafunktionen*.

**Topologie** (s. a. *Differentialgeometrie, Differentialgeometrie im Großen; s. a. Differentialgeometrie, topologische Fragen, Textilgeometrie; s. a. Gruppentheorie, topologische Gruppen, Metrisierung; s. a. Körpertheorie, Ringe usw., topologische Algebra; s. a. Mengentheoretische Geometrie; s. a. Variationsrechnung, Variationsrechnung im Großen, topologische Methoden der Analysis*) Ayres 18, 89; Birkhoff 16, 85; Choquet 18, 240; Comessatti 16, 220; Dieudonné 19, 187; Ehresmann 16, 74; Eilenberg 17, 231; 18, 91, 240; Foradori 18, 89; Giambelli 20, 37; Gordon 20, 308; Gruner 17, 297; Hall and Schweigert 18, 177; Haratomi 18, 90; 19, 89; Hopf 17, 38; Irie 20, 79; van Kampen 16, 138; Kaufmann 16, 279; Kawada 19, 331; Kolmogoroff 17, 330; Komatu 16, 203; Kuratowski 19, 399; Lefschetz 16, 419; Menger 19, 373; Moisil 20, 349; Pospíšil 18, 277; Radó 19, 88; Richardson 16, 420; Roger 20, 309; Stone 16, 182; 17, 135; Terasaka 18, 177; 20, 78; Weil 19, 186; Whitney 16, 135; 18, 426; Whyburn 19, 88; Wilder 19, 281; Woodard 18, 91; Yamauchi 19, 334; Zaremba 17, 398; 20, 79; Zariski 16, 41.



**Dimensionstheorie** Alexandroff, Hopf u. Pontrjagin 16, 230; Alexits 18, 332; Chogoshvili 18, 91; Eilenberg 19, 235; Hilgers 16, 231; Kaufmann 16, 82, 139; Kuratowski 16, 230; Mazurkiewicz et Szpilrajn 16, 231; de Rham 19, 235; Rinow 17, 92.

**Dualitäts- und Schnittsätze, Homologietheorie** Freudenthal 17, 191, 231; 18, 90, 178; Hopf 18, 426; Kaufmann 16, 377; Komatu 16, 420; 17, 330; 18, 278; 20, 78, 79; Levin 18, 278; Puckett 19, 46; Richardson 18, 239; Rueff 19, 331; Whyburn 18, 278.

**Flächentopologie, Überlagerungsflächen** (s. a. *Funktionentheorie, Riemannsche Flächen*) Ahlfors 17, 36; Brödel 18, 426; Dehn 19, 253; Drape 16, 81; Eilenberg 20, 78; de Kerékjártó 16, 44; Nielsen 17, 133; 18, 425; Riesz 19, 281; Roberts and Steenrod 19, 372; Seifert 16, 44; Severi 20, 36; Stoilow 17, 378; Whyburn 18, 278; Zariski 16, 325.

**Graphen, Farbenprobleme** Adkisson and Mac Lane 17, 427; Alexandroff 17, 329; Baebler 19, 236; Bol 18, 176; Borsuk 19, 282; Choquet 18, 176; Davatz 19, 371; Erdős, Grünwald u. Vázsonyi 19, 236; Franklin 18, 333; Frucht 16, 376; 20, 78; Grünwald 19, 237; Hall 17, 132; Heegaard 16, 138; Kagno 16, 184; 17, 427; 19, 331; MacLane 17, 427; McLane and Adkisson 19, 142; Newman and Whitehead 16, 278; Pólya 17, 232; Vászonyi 17, 329; Wagner 16, 376; Whitney 16, 420; Winn 17, 132; 18, 333; 20, 262.

**Knoten und Verwandtes** Brusotti 16, 81; Eilenberg 16, 138; Fröhlich 18, 176; 19, 331; Vietoris 20, 407; Wendt 16, 420; Whitehead 16, 44.

**Komplexe und Polyeder** (s. a. *Elementargeometrie und Konstruktionen, Polyeder und reguläre Raumeinteilung*) Appert 16, 45; Aronszajn 16, 279; Bebutov 19, 238; Borsuk 16, 139; 19, 282; Coxeter 16, 271; Dowker 17, 40; Freudenthal 17, 190, 231; Iyanaga 20, 407; van Kampen 19, 236; Klein 19, 371; Kodaira 19, 282; Kolmogoroff 16, 139; Komatu 20, 407; Lefschetz 19, 88, 281, 373; Müller 20, 262; Pontrjagin 19, 46, 88; Reidemeister 19, 186; Tucker 16, 184; 19, 281; Wagner 17, 190; White 20, 407; Whitney 16, 229, 278, 420; 19, 142; Wilson 16, 230; Wylie 18, 278.

**Mannigfaltigkeiten und ihre stetigen Abbildungen** (s. a. *Differentialgeometrie, Differentialgeometrie im Großen*) Alexander 19, 374; Bassi 16, 377; 18, 240; Bochner 17, 89; Borsuk 16, 84, 139; 17, 92; 19, 238; 20, 80; Cartan 17, 232; Eilenberg 19, 332; 20, 263; Freudenthal 16, 44; 18, 177; 20, 408; Hailperin 20, 263; Hantzsche 17, 133; Hirsch 17, 39; Hopf u. Rueff 19, 372; Hudekoff 19, 186; Johansson 19, 45; Jones 20, 409; Kakutani 20, 79; Kaplan 18, 426; de Kerékjártó 16, 44; Lefschetz 18, 177; 20, 168; Mangler 19, 282; Marty 17, 190; Nakasawa 19, 238; v. Neumann 17, 39; Nielsen 17, 133; Polak 17, 92; Pontrjagin 19, 238; de Rham 16, 45; Richardson 16, 420; Richardson and Smith 19, 237; Roberts and Steenrod 19, 372; Rothe 17, 39, 360, 465; 18, 133; Rózańska 16, 183; Rueff 19, 331; Sadowsky 20, 407; Sakata 20, 80; Scorza Dragoni 19, 45; 20, 79; Seifert 16, 44; Smith 16, 139; 18, 332; 19, 142; 20, 409; Tukey 20, 276; Whyburn 18, 278; 19, 373; Whitney 16, 85, 139, 228, 229, 420; 17, 428; 18, 239; Zaremba 18, 177; Zorn 20, 231.

**Topologie der Kontinua, Kurven** (s. a. *Mengentheoretische Geometrie*) Adkisson 19, 142; Alexits 17, 190; Borsuk 17, 134; Choquet 18, 90; Claytor 17, 190; Damköhler 16, 229; Eilenberg 17, 190, 231; Freudenthal 16, 281; Hamilton 19, 141; 20, 263; Heemert 19, 89; Hopf 17, 38; Jones 19, 371; Kaufmann 16, 82; 20, 408; Kolmogoroff 16, 81; Komatu 17, 91; Lefschetz 16, 81; Lévy 19, 372; Lichtenbaum 16, 279; McLane and Adkisson 19, 142; Mazurkiewicz 19, 372; Milgram 18, 427; Miller 17, 134; Moore 17, 92; Papakyriakopoulos 18, 90; Pospíšil 18, 277; Rutt 17, 428; Stoilow 16, 279; Terasaka 16, 421; 20, 262; Vedenisov 18, 90; Ventatachaliengar 18, 90; Waraskiewicz 16, 182, 376; Wheeler 16, 376; Whyburn 16, 421; Wilder 16, 81; 18, 427; Wojdyslawski 18, 427.

**Topologische und metrische Räume** (s. a. *Funktionanalysis, lineare und Funktionenräume; s. a. Mengentheoretische Geometrie*) Alexander 20, 167, 407; Alexandroff 16, 230; 18, 91; Alexandroff u. Niemytzki 19, 235; Alexits 18, 332; 19, 143; Appert 16, 45; 17, 91; Birkhoff 16, 85; Blanc 18, 274; Blumenthal 19, 329; Blumenthal and Thurman 20, 80; Borsuk 16, 84; 17, 231; 19, 333; Cartan 17, 243; 18, 3; Čech 17, 428; 19, 89; Cohen 18, 92; 20, 409; Destouches 16, 84; Dowker 17, 40; Ehresmann 20, 167, 168; Eilenberg 17, 40; 19, 332; Freudenthal 16, 280, 281; Frink 16, 82; Graves 16, 83; Hall and Schweigert 20, 79; Harrell 16, 83; Haupt 17, 91; Hausdorff 17, 59; 18, 277; Hyers 18, 277; Jones 17, 135, 429; Kakutani 16, 82; 18, 330; Kaufmann 16, 377; Kline 20, 409; Klipple 19, 333; Kolmogoroff 16, 139; Komatu 16, 203; 17, 330; Kuratowski 18, 92, 277; 19, 47; Kurepa 17, 158; 18, 178; Lefschetz 19, 46; Lubben 19; 32; Montgomery 16, 82; Nakasawa 19, 238; Novák 16, 157; 18, 91; Pauc 16, 82; 18, 274; Pospíšil 17, 429; 18, 92; 19, 47, 333; Sierpiński 18, 277; 19, 296; Simond 19, 333; Steenrod 19, 334; Stone 18, 3; Tarski 20, 337; Thomas 19, 282; Torrance 16, 184; Vaughan 17, 330; 19, 89, 238; Wallman 16, 377; 18, 332; Waraszkiewicz 16, 182; Wehausen 19, 123; Zorn 18, 277.

*Topologische Methoden der Analysis s. Variationsrechnung, Variationsrechnung im Großen, topologische Methoden der Analysis.*

*Transfinitär Durchmesser s. Funktionentheorie, Harmonisches Maß; s. Potentialtheorie, Harmonisches Maß, Kapazitätskonstante.*

**Transzendenzprobleme und Approximationen** (s. a. *Diophantische Approximationen*) Blumer 17, 248; Borel 16, 102; Chabauty et Pisot 18, 246; Chen 16, 358; Chintschin 16, 202; Denjoy 18, 346; Erdős and Mahler 20, 294; Franklin 17, 152; Kuroda 16, 350; McMillan 20, 345; Mahler 17, 56, 57, 152; 18, 111, 346; Pisot 19, 7; Sprague 18, 345.

**Trigonometrie** (s. a. *Elementargeometrie und Konstruktionen*) Graf 19, ●361; Kasner 16, 367; Neiss 16, 268; Wolff 16, 268.

**Trigonometrische Polynome** s. *Fourierreihen, trigonometrische Polynome.*

**Trigonometrische Reihen** s. *Fourierreihen.*

**Überlagerungsflächen** s. *Topologie, Flächentopologie, Überlagerungsflächen.*

**Unendlich viele Variable** s. *Funktionalanalysis, s. Integralgleichungen, unendlich viele Variable.*

**Ungleichungen für Integrale** s. *Differential- und Integralrechnung; s. Mittelwerte und Ungleichungen.*

**Ungleichungen, lineare** s. *Lineare Algebra, Matrizen und Determinanten, lineare Gleichungen und Ungleichungen.*

**Valenz** s. *Quantentheorie, Chemie, Valenz.*

**Variationsrechnung** (s. a. *Differentialgeometrie, geodätische Linien; s. a. Differentialgeometrie, Geometrie der Variationsprobleme, Finslersche Räume; s. a. Differentialgeometrie, Minimalflächen*) van Bauman Teach 17, 362; Beke 20, 33; Benedictus 16, 261; Bliss 19, 123; 20, 32; Bower 18, 28; Caccioppoli 17, 405; Caccioppoli e Scorza Dragoni 20, 135; Carathéodory 16, 122; 17, ●382; Cibrario 17, 171; Cimmino 16, 263; 19, 124; Cinquini 16, 406; 17, 171, 266; 19, 220; 20, 135; Cope 17, 171; Coral 18, 139; Cosby 18, 28; Courant 20, 136; Courant u. Hilbert 17, ●397; Damköhler 19, 352; Debever 18, 137; Denbow 18, 28; Douglas 19, 218, 268, 269, 353; 20, 374; Ducassé 20, 371; Duschek 17, 172; Ermilin 16, 406; 19, 219; Ewing 16, 405; 20, 372; Fort 18, 136; Frink 19, 219; Fuchs and Weiss 19, 353; Gillis 16, 261; 17, 406; 19, 220; 20, 371; Goldstine 17, 264, 362; Gröbner 20, 128; Grüss 19, ●351; Gugino 16, 261; Hadamard 17, 250; Herzberger 19, 353; Hestenes 17, 268; 19, 353; Hölder 20, 134; Householder 18, 138; Hu 16, 32; Kerner 17, 362; 20, 33; Kimball 16, 31; 18, 367; Kwal 19, 354; Lepage 16, 262; Leray 18, 65; Lusternik 17, 170; 18, 214; McShane 16, 31; 18, 314; 19, 218; 20, 32, 372; Mancill 17, 362; 20, 308; Manià 17, 267, 405; 20, 135; Menger 16, 31, 260, 405; Morse 19, 218; Moscovitch 18, 137; Pâquet 16, 263; Pauc 20, 309; Perlman 17, 405; Picone 20, 127; Radon 16, 122; 18, 138; Rapoport 18, 220, 367; 19, 268; Reid 17, 267, 406; 20, 33; Roger 20, 308; Romberg 16, 36; Rosenblatt 18, 313; 20, 308; Sakellariu 18, 27; 20, 33; Schmidt 20, 373; v. Schwarz 18, 220; Smiley 17, 361; Terpstra 19, 352; Théodoridès 19, 354; Tonelli 16, 121, 263; 20, 33, 135; Tricomi 20, 39; Valentine 18, 138; Viola 20, 307, 308; Wieczorek 16, 263; Wiggin 17, 362; Young 19, 219, 267.

**Spezielle Variationsprobleme** Beckenbach 18, 221; Coolidge and James 16, 403; Courant 18, 221; 17, 268; Kimpura 18, 88; McShane 16, 264; Radó 18, 314; Tonelli 17, 172, 266; 16, 264.

**Variationsrechnung im Großen, topologische Methoden der Analysis** Bardell 17, 406; Birkhoff 16, 234; Douglas 19, 268, 269; Gordon 20, 308; Kuzmin 17, 112; Morse 17, 172; 19, 124, 218; Nemitzki 16, 214; Roger 20, 309; Schauder 16, 30.

**Vektorrechnung** (s. a. *Differentialgeometrie, Tensorkalkül*) Arrighi 17, 221; Bagchi 20, 250; Becqué 19, 39; Bilimovitch 16, 39; Bochner 17, 62; Bouligand 16, 130; Budeanu 18, 268; 20, 387; Burgatti 16, ●178; 17, 181; Chapman and Milne 20, 157; Crudele 17, 419; Deaux 17, 219; Garcia 18, ●427; Giorgi 16, 273; Gourevitch 17, 181; Graffi 19, 362; Hoborski 17, 418, 419; Hostetter 16, 130; Jardetzky 19, 363; van Kampen 18, 86; Langmuir and Wrinch 19, 283; Lotze 17, 83; Nadile 20, 73; Nalli 20, 260; Schönhardt 17, 127; v. Schrutka 17, 371; Sibata 19, 363; Somigliana 16, 394; Vahlen 17, 127; Weiss 17, 371; v. Weyssenhoff 18, 372; Wilkosz 17, 418; Wilson 20, 250; Wrinch 20, 387.

**Quaternionen** (s. a. *Funktionentheorie, Verallgemeinerungen; s. a. Körpertheorie, Ringe usw., hyperkomplexe Systeme*) Bagchi 19, 363; Blaschke 19, ●364; Cartan 19, ●363; Conway 17, 167; Eichler 17, 150; Ferraro 18, 316; Fischer 20, 267; Fueter 17, 76; 18, 316; Haantjes 18, 238; Latimer 17, 150; Madhava Rao 19, 90; Markić 16, 369; 18, 164; Nakae 19, 365; Pall 17, 388; 20, 3; Proca 17, 194; Rothe 16, ●248; Sommerfeld 17, 45; Veblen 18, 326; Wajnstejn 18, 386.

**Vermessungskunde** s. *Geodäsie.*

**Versicherungsmathematik** s. *Wahrscheinlichkeitsrechnung, Versicherungsmathematik.*

**Verteilungsfunktionen** (s. a. *Wahrscheinlichkeitsrechnung*) Bartlett 18, 225; Berger 20, 242; Bochner 18, 130; Camp 19, 317; Cramér 16, ●363; Daniels 19, 227; David 19, ●74; 20, 150; Dodd 20, 41; Doebelin 18, 75, 156; 19, 317; Feldheim 17, 26; Glivenko 17, 61; Gnedenko 18, 318; 19, 72; Halphen 18, 264; Hartman, van Kampen and Wintner 18, 211; Hartman and Kershner 18, 12, 218; Haviland and Wintner 16, 17; Hoel 19, 357; Hsu 20, 148; Husimi 19, 319; Jacob 20, 41; Kac 17, 175; 18, 76, 319; Kac et Steinhilber 18, 76; van Kampen 17, 63; van Kampen and Wintner 16, 18; 17, 62, 63, 203; Kershner and Wintner 17, 62; Khintchine 16, 410; 17, 76; 18, 316, 317; Kosulajeff 18, 117; Koulik 16, 354; Kozakiewicz 17, 316; Lévy 17, 357; 18, 75, 263; 19, 175; Marcinkiewicz 18, 318, 319; 19, 226, 317; Marcinkiewicz et



Zygmund 16, 409; 18, 75; v. Mises 18, 31, 263; Neyman 20, 382; Olshen 19, 317; Ottaviani 19, 72; Raikov 18, 412; Ugolini 20, 41; Waschakaidse 19, 225; Wintner 16, 250.

**Entwicklungen von Verteilungsfunktionen** (s. a. *Approximation von Funktionen*; s. a. *Interpolationen*) Ambarzumian 17, 272; Arorian 18, 225; Feldheim 17, 411.

**Momentenproblem** (s. a. *Kettenbrüche*) Chlodovsky 20, 41; Dieulefait 19, 13; Dwyer 20, 242; Fox 18, 350; Ganapathy Iyer 17, 393; Glivenko 17, 61; Haviland 17, 358; Kantorovič 16, 353; 17, 302; Kravčuk 16, 107, 206; 18, 207; Lengyel 20, 368; Marcinkiewicz 20, 148; Nair 20, 148; Pólya 20, 42, 310; Sansone 18, 352; 20, 213; Sawkins 20, 148; Voronovsky 16, 204.

**Verbände** s. *Körpertheorie, Ringe usw., Boolesche Algebren, Verbände.*  
*Vierpol* s. *Elektrodynamik, Schaltungen.*

**Wahrscheinlichkeitsrechnung** (s. a. *Integralgeometrie, geometrische Wahrscheinlichkeiten*; s. a. *Kinetische Theorie der Materie*; s. a. *Nationalökonomie*; s. a. *Verteilungsfunktionen*) dell'Agnola 17, 271; 20, 38; Bartlett 18, 225; Bayly 19, 34; Benford 18, 265; Berge 18, 263; Bernstein 18, 32; Bonferroni 16, ●411; Borel 18, 154; 19, 315; 20, 38, ●241, 380; Brelot 17, 412; Broderick 17, 271; Camp 19, 317; Cantelli 16, 128; Carrol 19, 224; Castellano 20, 40; Chapelon 17, 76, 411; Copeland 16, 194; Craig 18, 319; Cramér 16, ●363; Czuber 19, ●354; David 20, 150; Doeblin 18, 75, 156; 19, 317; 20, 146, 147, 381; Erdélyi 17, 365; Eyraud 18, 225; Feldheim 17, 26; 18, 412; Ferber 17, 28; Feller 20, 38; Ferber 19, 360; de Finetti 20, 242; Fjeldstad 16, 313; Fréchet 16, 128; 18, ●413; Fry 19, 319; Geiringer 18, 264; 20, 380; Greenwood 18, 411; Gulotta 19, 357; Gumbel 18, 32; 19, 128; 20, 149; Haba 18, 265; Halphen 18, 264; Hammer 19, ●316; Hsu 20, 148; Jeffreys 19, 318; Kac 17, 175; 18, 76; Kac et Steinhaus 18, 76; Khintchine 16, 410; 17, 76; 19, 225; Komischke 19, 73; Koulik 16, 354; Kozakiewicz 17, 316; Krafft 18, 32; Kullback 20, 379; Ledermann 20, 150; Lévy 16, 127, ●170, 364; 17, 272; 18, 31, 75; 20, 145, 241; Littlewood and Offord 20, 136; Lubberger 16, ●315; Lurquin 18, 31, 154; Madow 17, 365; Marcinkiewicz 19, 317; Marcinkiewicz et Zygmund 16, 409; 18, 75; Martinotti 16, 67; 20, ●241; Milicer-Grużewska 17, 412; Milloux 20, 35; de Misès 16, 312; 18, 31, 155; 20, 379; Neyman 19, 35; Olds 17, 411; Onicescu et Mihoc 18, 411; Pearson 20, 149; Pitman 20, 149; de Possel 16, ●66; 18, 75; Raikov 19, 224; Rice 18, 305; Romanovsky 19, 11; Rowland 17, 176; Salvemini 20, 38; Savur 16, 129; v. Schelling 17, 125; Silberstein 19, 316; Slutsky 17, 26; Smirnov 18, 319; Steffensen 16, 171; Stumpf 19, 128; Sukhatme 19, 175; Tedeschi 16, 171; Teodorescu 18, 225; 19, 354; Tornier 17, 270; Uno 17, 125; Ville 18, 224; Visser 19, 225; Wald 20, 380; Waschakaidse 19, 225; Welch 20, 382; Wertheimer 20, 382; Wiśniewski 17, 125; Wold 19, ●356.

**Fehlerrechnung, Ausgleichung** (s. a. *Numerische und graphische Methoden*) Banachiewicz 17, 1; 19, 37; Blümel 20, 383; Bonsdorff 20, 155; Brelot 17, 274, 316, 412; Brodovitskij 18, 82; Bruen 18, 228; Calichiopulo 16, 37; David and Neyman 20, 40; Dor 18, 82; Dumas 18, 158; v. Eberhard 18, 417; Frazer, Jones and Skan 19, 132; Frazer and Skan 19, 37; Friedrich 16, 365; Frost 20, 155; Höpcke 17, 416; Jeffreys 16, 320; 18, 158, 267; Jones 16, 172; Kharkevitch 17, 178; Kendall 19, 228; Kermack and McKendrick 16, 413; 18, 155; Kerrich 18, 35; Milicer-Grużewska 17, 412; Mineur 18, ●82; Prigge 16, 320; Roos 16, 172; Ruchti 18, 227; Schäfer 16, 320; v. Schelling 17, 274; Steiner 17, 79; Tricomi 16, 172; 17, 175; 20, 145; Ugolini 20, 41; Wegmüller 19, 316; Wertheimer 17, 125; Wilks 18, 419; Wiśniewski 18, 35; Wolf 16, 315; 20, 41; Zoch 18, 35.

**Grenzwertsätze** Bachelier 16, 170; Bahn 18, 33; Bawly 16, 127, 311; Bobrov 16, 410; Chapelon 16, 127; Feller 16, 411; Fréchet 16, 128; Geiringer 16, 364; Khintchine 16, 410; Kudela 17, 175; Lévy 16, ●170, 364; Marcinkiewicz 18, 319; Marcinkiewicz et Zygmund 18, 32; Mihoc 16, 128; de Misès 16, 312; Persidskij 18, 411; Raikov 19, 224; Ranulac 16, 128; Smirnov 18, 412.

**Grundlagenfragen** Bonferroni 20, 38; Copeland 17, 315; de Finetti 17, 76; Hostelet 19, ●318; Huntemann 17, 410; Reichenbach 18, 263; Servien 18, 316; Tornier 17, 270; 18, 412; Wald 16, 408.

**Korrelationstheorie** Bacon 19, 354; Bartlett 18, 158; Bernstein 17, 77; Bilimovitch 20, 146; Bridger 20, 146; David 19, ●74; Demaria 17, 367; Dodd 16, 314; Dwyer 18, 158; Frisch 17, 175; Guttman 20, 39; Hoel 17, 365; Jeffreys 19, 317; Jones 16, 172; 17, 175; Kendall 19, 130; Kendall, Kendall and Smith 20, 243; Kirkham 16, 171; Krishnaswami Ayyangar 17, 313; Lindblad 18, 76; de Lury 19, 228; McIntyre 16, 67; Malécot 20, 244; Morrison 17, 77; Mosak 17, 273; Oboukhoff 19, 228; Olds 19, 228; Ottestad 16, 171; Quensel 18, 320; Roos 16, 172; Wong 16, 314.

**Markoffsche Ketten** Birkhoff 18, 264; Doeblin 16, 311, 411; 17, 77, 316; 18, 156; 19, 175; Doeblin et Fortet 18, 33; Elfving 17, 316; 18, 264; Fouillade 18, 33; 19, 67; Fréchet 18, 413; Geiringer 18, 264; Haba 18, 265; Hostinský 16, 171, 312; 17, 77; Hostinský et Potoček 16, 312; Hsu 20, 149; Kolmogoroff 18, 413; Kryloff et Bogclouboff 16, 312, 379; Mihoc 16, 128; Onicescu 18, 156; Onicescu et Mihoc 17, 124, 272; Potoček 18, 414; Yosida 20, 146.

**Spezielle Probleme (z. B. Biologisches)** Andreoli 18, 78; Borel 19, ●126; Brelot 17, 274; 19, 130; Calabrese 20, 148; Castellano 17, 274; Cochran 19, 130; Dawatz 20, 145; Donnan 16, 317; Einstein u. Pólya 17, 78; Geppert u. Koller 18, 322; Gini 17, 274; Glivenko 16, 5; Grossmann 17, 78; Gumbel 17, 274, 275; Hagstroem 16, 317; Insolera 18, 227; Jordan 20, 152; Kolmogoroff 19, 359; Kolmogoroff, Petrovsky et Piscounoff 18, 321; Kosten 16, 172; Kostitzin 16, ●67; 18, 77, 160, 228, 322, 416; La Paz 20, 42; Le Myre 17, 124; Lévy 20, 145; Linder 18, 416; Lotka 17, 176; Malécot 18, 227; 20, 245; Mittmann 16, 316; 18, 160; Muench 19, 73; Münzner 18, 77; Natale 18, 160; Neyman 20, 382; Reboul 20, 152; Rice 20, 381; Richards and Kavanagh 20, 151; Ringleb 16, ●316; v. Schelling 17, 274; Schmidt 19, 316; Scholz 18, 77; 20, 244; Snell 20, 152; Starkey 19, 358; Thompson 20, 150; Vianelli 17, 275; Volterra 16, 68; 18, 77; Wright 19, 176.

**Statistik (s. a. Nationalökonomie)** Ageno 20, 44; Ambarzumian 17, 272; Andreoli 18, 78; Baker 18, 226; 20, 244; Barral Souto 18, 415; Bartlett 16, 412; 19, 35; Beale 18, 255; Berkson 19, 177; Blümel 20, 383; Bonferroni 16, ●411; Borel 20, ●313; Brelot 17, 316; Brodovitskij 18, 82; Camp 17, 125; 19, 177; Campbell 20, 152; Castellano 16, 67; 17, 274; 20, 40; Cisbani 18, 266; 20, 147; Clark 17, 27; Cochran 18, 321; 19, 319; Constantinescu 18, 267; Craig 20, 383; Czuber 18, ●156; Daniels 19, 227; Darmon 16, ●67; Deming 19, 319; Dodd 16, 365; 18, 415; Dor 18, 266; Dwyer 16, 313; 18, 415; 19, 227; Dugué 18, 34; Ekke 16, 314; Elderton 19, 176; Eyraud 18, 155; Ferber 17, 28; 20, 315; Fertig and Proehl 18, 266; Finney 19, 35; Fisher 19, 357; Franckx 17, 77; Fry 16, 129; Fürth 20, 314; Geary and Pearson 19, ●74; Gini 17, 274; 18, 414; Gini e Zappa 20, 148; Gumbel 17, 77; Gürtler 20, 314; Haldane 16, 412; 18, 157; Halphen 20, 241; Hartley 19, 73; Hey 19, 35; Hirschfeld 17, 126; Hoel 17, 365; 19, 357; Hostelet 19, ●318; Hotelling 19, 227; 20, 383; Hsu 20, 149; Irwin 17, 77; 18, 321; Jeffreys 16, 412; 17, 316; 18, 34, 157, 158, 321, 414; Jordan 16, 365; Jule 19, 129; Kampé de Fériet 20, 313; Kenney 19, 358; 20, 244; Kermack and McKendrick 17, 272; Kerrich 18, 35; Kozakiewicz 17, 272; Krishna Iyer 17, 28; Krishnaswami Ayyangar 18, 320; de Kronig 20, 313; Kullback 18, 33; Landé 20, 44; Lawley 19, 129; 20, 243; McMullen 20, 40; Madow 20, 40; Malécot 18, 227; Marbe 19, ●319; Mendershausen 20, 244; de Misès 16, 128; Moulton 20, 40; Neyman 17, 124; 18, 34, 226, ●265; 19, 227; Neyman and Pearson 18, 35; 20, 243; Norris 19, 358; Olds 16, 129; 19, 129; Ottestad 16, 171, 313; Pearson 19, 128, 226; 20, 40; Peek 17, 273; Rittman 16, 364; 18, 226; 19, 35; Quensel 18, 320; Ricker 16, 313; Rietz 16, 314; 18, 226; Riordan 17, 175; Romanovsky 19, 356; Salvemini 18, 156; Savur 17, 127; Segal 18, 157; Shih 16, 314; Simonsen 17, 411; Steffensen 16, 171; Stene 20, 40; Student 18, 35; Sukhatme 17, 273; 18, 321; Tang 20, 243; Tricomi 20, 39; Welch 17, 126; 18, 226; 19, 129; Wiener 19, 354; Wilks 18, 320; 19, 357; Wilks and Thompson 17, 126; Wiśniewski 18, 35; Wright 16, 365; Yates 19, 358; Zaycoff 16, 172, 414.

**Stochastische Prozesse** Chepelewskij 19, 73; Doeblin 18, 33; Doob 17, 27; 19, 127; 20, 109; Dubrovski 19, 73; Einstein u. Pólya 17, 78; Frisch 20, 147; Grossmann 17, 78; Hostinsky 18, 414; Khintchine 16, 410; 19, 318; Koeppler 18, 266; Kozakiewicz 19, 228; Lurquin 20, 242; Wold 20, 147; Yosida 19, 414; Yosida and Kakutani 20, 39.

**Versicherungsmathematik** d'Addario 19, 178; Andersson 20, 48; v. Beckerath 20, 47; Berger 16, 414; 18, 78, 322; Bijl 20, 154; Boehm 16, 67; 17, ●366; Boehm, Lorenz u. Staniszewski 17, ●415; Boehm u. Rose 17, ●414; de Boer 18, 78; Bruyn 20, 154; Burkhardt 18, 323; Camp 19, 132; Cantelli 20, 153; del Chiaro 20, 47; Christen 20, 384; Dasen 19, 36; Dreyer 18, 159; Dubourdieu 18, 417; 19, 36; Eggert 20, 384; Epstein 20, 245; Frantíková 16, 316; 18, 159; Frucht 18, 226; Giaccardi 20, 45; 153, 245; Getman 20, 45; Gumbel 16, 316; 17, 275; Güttinger 20, 45; Hadwiger 19, 36, 177; 20, 247; Hantsch 20, 384; Insolera 20, 46, 47; Invrea 20, 154; Itô 20, 47; Jacob 16, 316, 413; Jecklin 18, 323; Johansen 19, 178; Koeppler 16, 413; 17, 78, 176; 18, 78, 160; 20, 153, 245; Kołodziejczik 20, 384; Konau 18, 78; Lidstone 18, 416; Løer 16, 67; Lotka 20, 246; Lukačs 17, 79, 177; 18, 323; Marchand 16, 413; Martinotti 20, ●241; Marsequerra 17, 78; Mazzoni 16, 316; 19, 131; Medolaghi 17, 366; 19, 131; 20, 384; Münzner 20, 246; Neuhaus 17, 367; Nolfi 20, 383; Ollivier 18, 227; Parthier 19, 179; Pothoven 17, 275; Quensel 20, 46; Riebesell 20, 246; Ringh 19, 131; Robek 18, 227; van Rooijen 17, 50; Ruchti 18, 227; Savorgnan 20, 246; Schöbe 18, 79; Schult 19, 179; Schulthess 17, 176; Seitz 16, 316; Sibirani 16, 316; Simonsen 16, 315; Smid 19, 177; Snoep 20, 44; Spiegelman 20, 246; Stastný 18, 227; Steffensen 16, 413; 19, 178; Strohmeier 20, ●44; Ten Pas 19, 131; 20, 47, 153; Thesen 17, 366; Timpe 18, 323; del Vecchio 18, 416; 20, 46, 245; Veldt 18, 79; Vianelli 17, 275; Visser 20, 384; Vogt 18, 79; Walther 18, 417; Wilks 20, 48; Wilson 20, 47; Wünsche 18, 162; 20, 45; Zwinggi 20, 48.

**Waringsches Problem s. Zahlentheorie, Waringsches Problem.**

**Wärmeleitung s. Thermodynamik, Wärmeleitung.**

**Wärmestrahlung s. Thermodynamik, Wärmestrahlung.**

**Wellenausbreitung s. Differentialgleichungen, partielle, hyperbolische Differentialgleichungen, s. Elektrodynamik, elektromagnetische Schwingungen und Wellen.**

**Wellenmechanik s. Quantentheorie.**

**Wellenoptik s. Optik, klassische, Wellenoptik.**



- Zahlentheorie** (*s. a. Differenzenrechnung; s. a. Kettenbrüche; s. a. Körpertheorie, Ringe usw.; s. a. Transzendenzprobleme und Approximationen*) Aigner 20, 291; Amato 17, 3; Auluck and Chowla 16, 389; Basava Raju 17, 151; 340; 19, 248; Beeger 16, 10; 19, 292; Bell 19, 104, 248; 20, 104; Brauer 16, 9; Caro 17, 151; Carmichael 16, 10; Chang 18, 6; Chernik 20, 344; Chowla 16, 12; van der Corput 18, 295; Dockeray 19, 393; Erdős 20, 5; Feldheim 19, 50; Fenchel 16, 392; Fistié 19, 393; Gentzen 19, ●241; Gloden 19, 393; Grave 20, ●197; Habernetz 16, 54; Hall 16, 154; 20, 104; Hardy and Wright 20, ●292; Heilbronn 16, 290; Ikehara 18, 107; Jacobsthal 20, 292; Kanold 20, 202; Kesava Menon 17, 340; Kleinsorge 18, 388; Kulakoff 19, 5; Lal Sircar 17, 196; Lambert 20, 3; Lehmer 18, 292; 19, 5; Lubelski 18, 244; Mac Duffee 19, 248; Moessner 16, 389; 18, 343; 19, 393; Pall 17, 388; Peltsohn 20, 49; Pillai 17, 151; Popken 16, 65, 123, 266; Rados 17, 151; Rao and Basava Raju 16, 10; Rama Rao 17, 246; 18, 244; Rohrbach 17, 55; Schur 17, 2; Selberg 16, 247; Skolem 16, 245; 17, 54; Stamirowska 17, 296; Steuerwald 18, 203; Stibitz 18, 5; Stermer 17, 198; Tehudakoff 17, 104; Teghem 20, 104; Thébault 19, 393; 20, 3; Titchmarsh 19, 197; Vaidyanathaswamy 16, 101; Vandiver 17, 100; 19, 195; Vinogradov 18, 390; Walfisz 20, 202; Ward 16, 12, 201; Zia-ud-Din 19, 104; Zorn 16, 348.
- Additive Zahlentheorie** Auluck and Chowla 17, 151; Bang 16, 11; Behrend 19, 150; Benneton 19, 51; Bilharz 16, 343; Brauer 18, 388; 19, 6; Chowla 17, 5; 19, 248, 292; van der Corput 17, 198, 390; 18, 52, 108, 244, 245, 345; 19, 196; 20, 4, 344; Davenport and Heilbronn 16, 348; Dwyer 20, 218; Erdős 19, 104; Estermann 16, 246, 290; 20, 105; Feldheim 20, 3; Ghent 17, 197; Gloden 16, 11; 19, ●149; Gravé 19, 153; Gupta 16, 11, 349; 17, 246; Haag 17, 53; Herzog 19, 195; Hua 17, 389; 18, 245, 294, 388; 20, 5, 105; James 16, 391; 18, 106; Landau 16, ●202; Lehmer 17, 56; 18, 107; de Lury 19, ●196; Maass 18, 8; Morimoto 17, 199; Ostmann 19, 6; Pillai 18, 106; Pipping 18, 345; Rademacher 16, 246; 17, 55; Rademacher and Zuckerman 19, 22; Raikov 18, 6; 19, 393; Ricci 16, 102; 20, 5; Rohrbach 16, 156; 20, 3; Romanoff 17, 5, 199; 20, 5; Scherk 19, 393; Selberg 19, 393; Stöhr 16, 348; Subba Rao 18, 106; Tehudakoff 18, 6; 19, 6; Thrall 19, 50; Turski 17, 389; Umeda 20, 293; Vinogradoff 16, 291; 17, 198, 389, 390; 18, 52; Walfisz 18, 345; Watson 16, 349; Wright 16, 391; 17, 389; Zuckerman 20, 293.
- Analytische Hilfsmittel** Chowla 17, 390; Dixon and Ferrar 16, 297; Dwyer 16, 248; Hartman and Wintner 18, 354; Hua 18, 294; Kestelman 17, 5; Koschliakov 16, 57; Nichols 19, 51; Selberg 16, 247; Vinogradoff 17, 198, 389, 390; 18, 52, 390; 20, 203; Wintner 16, 397; Zalcwasser 18, 108.
- Analytische Zahlentheorie in Zahl- und Funktionenkörpern** (*s. a. Dirichletsche Reihen; s. a. Körpertheorie, Ringe usw.*) Bilharz 16, 343; Brüche u. Recknagel 18, 182; Davenport 18, 109; Heilbronn 19, 292; Kober 16, 400; Koschliakov 17, 196; Schmid 16, 7; Siegel 16, 12; Suetuna 16, 153; Vinogradoff 19, 104, ●153, 249.
- Arithmetische Theorie der Formen** Bell 17, 54, 103; 20, 107; Brandt 17, 196; Braun 17, 196; 18, 400; Carmichael 16, 10; Davenport 20, 205; Dribin 20, 106; Due 17, 151; Erdős and Ko 19, 151; Erdős and Mahler 18, 344; Hall 17, 4; 18, 344; Halmos 18, 107; Heegner 17, 341, 342; 19, 395; Herter 16, 100; Hofreiter 16, 9; James 19, 152; Jones 20, 8; Jones and Pall 20, 107; Ko 16, 390; 18, 203, 294; 19, 150, 151; Landau 20, 106; Landherr 17, 247; Maass 18, 8; Magnus 16, 349; 18, 244; Mahler 19, 395; Mordell 16, 154; 17, 4, 388; 18, 294; 19, 155; Oldenburger 19, 292; Oppenheim 17, 247; 18, 344; 19, 105; Pall 20, 3; Remak 19, 105; Richmond 17, 103; Rosenthal 20, 345; Sagen 16, 54; Siegel 16, 12; 17, 247; 18, 203, 244; 19, 151; Terpstra 19, 352; Watson 16, 102; Žilinskas 19, 152.
- Diophantische Gleichungen** (*s. a. Diophantische Approximationen*) Baidaff u. de la Riestra 20, 203; Ballantine 20, 345; Ballantine and Brown 18, 343; Bell 17, 54; 20, 105; Billing 16, 200; 18, 54; Burchnall and Chaundy 17, 102; Carlitz 17, 4; Chabauty 16, 53; 17, 465; 19, 3; Chang 18, 6; Châtelet 18, 343; Chernick 17, 388; Chowla 16, 11; Davenport 19, 395; Dorwart and Brown 17, 387; Dueball 17, 197; Erdős u. Jarnik 18, 6; Erdős u. Obláth 17, 4; Fogels 19, 6, 293; Gloden 17, 1, 151; 20, 203; Goodstein 19, 250; Goormaghtigh 17, 151; Haentschel 19, 293; Hasse 16, 388; Heinhold 20, 6, 294; Hlawka 20, 205; James 18, 244; Jarnik 19, 106; Ljunggren 16, 8; 19, 50; Lutz 17, 53; Mahler 19, 250; Moessner 17, 151, 196; 18, 203; 19, 394; Moessner and Gloden 19, 250; Mordell 17, 4; Nagell 16, 101; Pillai 16, 348; Rubinstein 16, 101; Skolem 16, 348; 17, 54, 246; 18, ●293, 343; Wachs 20, 7.
- Fermatsche Vermutung** Beeger 20, 105; Gottschalk 18, 5; James 19, 293; Niewiadomski 17, 295; Segal 19, 293; Thébault 17, 53; Vandiver 18, 5; Xerudakis u. Phasulakis 19, 293; Yamada 16, 389.
- Geometrie der Zahlen** (*s. a. Diophantische Approximationen*) Davenport 19, 196; 20, 205, 293; Fenchel 18, 7; Ford 19, 395; Heinhold 20, 6, 294; Keller 16, 54; Landau 20, 106; Lettenmeyer 18, 112; Mahler 19, 51; Mordell 19, 155; Pipping 17, 326; Remak 19, 105; Schaacke 17, 392; Stöhr 20, 51; Szekeres 16, 368.
- Gitterpunktsanzahlen** Hajós 20, 6; Koksma 20, 6; Nieland 16, 391; Perron 19, 7; Schepel 16, 13, 391; Walfisz 20, 203, 204.
- Klassenzahlen** Eichler 16, 52; Herter 16, 100; Hofreiter 16, 9; Žilinskas 19, 152.

- Magische Quadrate** Burchnall and Chaundy 17, 102; Chernick 18, 203; Eappen 17, 196; Fitting 16, 101, 245; 18, 5; 20, ●107; Kowalewski 17, 340; Moessner 17, 196; Rosser and Walker 19, 5; Schots 16, 245; 17, 295; Stern 16, 389; 18, 5; Stevens 20, 294; Venkatasubbiah 16, 348.
- Potenzreste** Carmichael 16, 10; Rados 16, 11; Rédei 18, 5; Vaidyanathaswamy 16, 389; Vandiver 17, 391; Venkatarayudu 19, 246; Vinogradow 19, 154; Whiteman 17, 296.
- Primzahlverteilung** (*s. a. Dirichletsche Reihen*) Bang 17, 246; Beeger 20, 105; Beurling 17, 296; van der Corput 19, 196; Cramér 20, 6; Erdős 16, 201; 17, 103; 18, 343; 20, 5; Gravé 19, 294; Hardy 16, 201; Ingham 17, 389; Kienast 17, 55; Petrovitch 19, 196; Raikov 19, 249; Rankin 19, 394; Rosser 19, 394; Specht 19, 394; Sutton 17, 152; Tchudakoff 16, 155; Titchmarsh 18, 389; Turán 16, 391.
- Teilbarkeitsfragen** Bang 16, 154; Chowla 16, 12; Ducci 17, 4; Elder 16, 154; Erdős 17, 246; González 16, 201; Gupta 19, 50; Hall 16, 154; Kraitchik 18, 105; O'Connor and Pall 20, 293; Paul 17, 196; Rosenbaum 19, 249; Ward 16, 201; 19, 149; Watson 19, 153.
- Waringsches Problem** Chatland 18, 107; Chowla 16, 11, 202; 17, 5, 152; 19, 394; 20, 203; Davenport and Heilbronn 16, 246; Dickson 16, 391; 18, 294; Erdős 16, 102; Estermann 18, 52; Fuld 18, 344; Herzog 19, 195; Hua 16, 155; 17, 103, 389; 18, 245; 19, 152; 20, 105; James 16, 391; Kestelman 17, 5; Landau 16, ●202; Pillai 16, 245; 17, 5; Segal 16, 54; Subba Rao 18, 106; Sugar 16, 12; Wright 16, 290, 391; 17, 389.
- Zahlentheoretische Funktionen** Amante 17, 296; Bell 16, 290; 17, 198, 246; 18, 107; 19, 150; Buchstab 18, 245; Carlitz 16, 154; 17, 53, 195; Chabauty 16, 53; Chowla 17, 5; Cipolla 16, 53, 390; Davenport 16, 201; 17, 391; Erdős 16, 12; 18, 293; Hardy 19, 51; Hille 18, 6; Husimi 20, 205; Kuzmin 16, 390; Romanoff 20, 5; Selberg 19, 294; Umeda 20, 205; Vandiver 17, 341; Ward 17, 194.

*Zahlkörper s. Körpertheorie, Ringe usw., Zahlkörper.*

*Zetafunktion s. Dirichletsche Reihen,  $\zeta$ -Funktionen und L-Reihen; s. Zahlentheorie, analytische*

*Zahlentheorie in Zahl- und Funktionenkörpern; s. Zahlentheorie, Primzahlverteilung.*

*Zylinderfunktionen s. Spezielle Funktionen, Besselsche und Zylinderfunktionen.*

## Berichtigung.

Dehousse, L.: Sur une equation differentielle pour laquelle le point  $x = y = 0$  est un foyer. Bull. Soc. Roy. Sci. Liège 8, 90—101 (1939); dies. Zbl. 20, 222.

Die dort angegebene Differentialgleichung lautet

$$xy'(x) + \frac{p}{q}y + x^{p-r}y^{q-r+1}A(y) = 0.$$















